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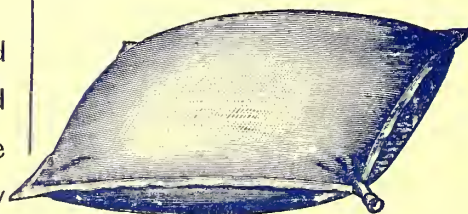


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following products manufactured
in the United Kingdom, Allied
and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

| | |
|-----------------------------------|------------------------------|
| Barbitone | Lithol (Ichthyol sub.) |
| Bromide of Potassium | Mercurials |
| Bromide of Sodium | Methyl Salicylate |
| Cinchonine Sulphate and Muriate | Methyl Sulphonal |
| Cinchonidine Sulphate | Peppermint Oil |
| Citric Acid | Pepsine |
| Cocain Hydrochlor and Puriss | Phenazone |
| Cream of Tartar | Pyrogallic Acid |
| Creosote Carbonate | Phenolphthalein |
| Formaldehyde | Potassium Sulpho-Guaiacolate |
| Gallic Acid | Quinine |
| Glycerophosphates | Salicylate of Soda |
| Heliotropin | Sugar of Milk |
| Hexamine | Tannic Acid |
| Homatropine Hydrobrom | Tannin Albuminate |
| Hydroquinone | Terpineol |
| Isarol (best Ichthyol substitute) | Theobromine Pure Alkaloid |
| Lithia Carbonate | Vanillin |

R.W. Greeff & Co.,

THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.

"FARRISOL"

ENGLISH-MADE

MEDICINAL WHITE OIL, B.P.

(PARAFFINUM LIQUIDUM, from Pure Russian Oils),

is guaranteed to exactly conform to B.P. tests.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction.

Samples and prices for comparison free on application.

SUPPLIED IN GLASS BOTTLES AND QUANTITIES OF 1 GALLON UPWARDS.

Large Stocks always Ready for Immediate Delivery.

Pure Olive Oil. Insulating Fluid and Wax. OIL REFINER TO H.M. GOVERNMENT.

The only actual Manufacturing Wax Chandler in the City of London.

CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.

Works—HELMET COURT, BISHOPSGATE, E.C.

Warehouses & Stores—91 & 93 BISHOPSGATE, and 12 WORMWOOD ST., E.C.

Telephones: LONDON WALL, 9397 and 9398.

Telegrams: "WAXINESS (LED) LONDON."

THE LITTLE KITCHENER



SOLID FUEL Pocket Stove COOKER.

Warms anything in a few minutes
No spirit, no spilling,
no danger.

Can be carried in the pocket or sent through the post.

For the Trenches, Camps, Picnics, Doctors, Nurses, Motor Tours, Fishing, Boating and Indoor use, etc.

BIG EXPORT LINE.
Sells at 1/- each.

Boiling Pot 6d. extra,
Refills, 4 in a tin, 1/6

BIG XMAS LINE.
SEND FOR PARTICULARS.

A.B. Little Kitcheners Co.
Gilbert Street, London, W.C.

A NEW LINE!

TOWNSEND'S

Cambric Toilet Paper

(A High-class Toilet Roll).

Sample and Price await
your enquiry.

JAMES TOWNSEND & SONS,
EXETER and LONDON.

TELEGRAPHIC
ADDRESS:
ELEVEN CENT LONDON

Maw's

S. MAW, SON & SONS
7 to 12, ALDERSGATE ST.
LONDON, E.C.

Page

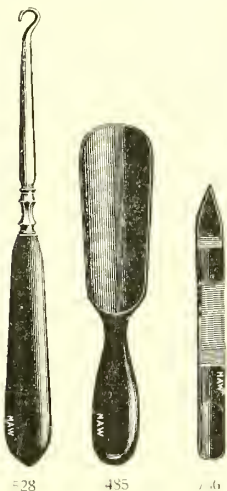
TELEPHONE
CITY 7
PRIVATE BRANCH EXCHANGE

NUMBER 213

NOVEMBER 13, 1915

Ebony

These requisites make acceptable and inexpensive Christmas Gifts. Write for complete list.



| | Doz. |
|--|------|
| 485. Shoe Lift, 7½" ... | 13/- |
| 503. Glove Stretchers, 8" ... | 9/- |
| 508. " 9" ... | 15/- |
| 528. Button Hook, 8" ... | 13/- |
| 531. Button Hook, with shoe lift, 12½" ... | 25/- |
| 532. " " 11" ... | 21/- |
| 786. Nail Trimmer 2½" ... | 4/- |

MAW'S 'PAREX' BREAST RELIEVER

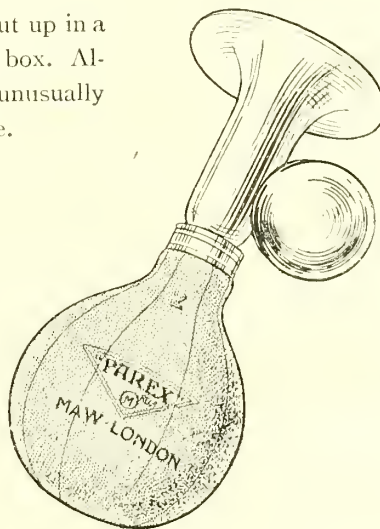
The appearance—the *quality*—the NAME, are all selling factors in this, the most famous breast reliever of all.

The bulb of the "Parex" is made of red rubber with velvet finish. The receiver is made of stout glass. Capacity, 2 ounces.

Each "Parex" Breast Reliever is put up in a neat art grey box. Altogether an unusually attractive line.

PRICE
21/-
DOZEN.

Each in box.



AIR RAID GOGGLES

A very useful requisite during these days—or rather nights—of air raids, will be found in our

NON-INFLAMMABLE Goggles. They are fitted with chenille edge, which effectively keeps out dust and fumes from the eyes.

14/-
DOZ.

This is a line in which SPECIAL POLICE should be interested, as well as the general public.

OVERSEAS

A COLUMN FOR AUSTRALASIA

CHRISTMAS GREETINGS

This number of "Maw's Page" will be in your hands about the end of December, and we take this opportunity of wishing all our customers "down under" our best wishes for a Prosperous New Year.

Asked and Answered

It is our pleasure to deal with a large number of queries in the course of business. Every week customers turn to us for assistance in many little problems connected with their pharmacies. Here is one we received a few days ago.

"I shall be glad to know if you have any list of cheap articles suitable for presentation to soldiers—articles which might be easily carried and yet serve a useful purpose."

Now there must be a great many Pharmacists who are looking for similar lines; useful gifts for our gallant defenders. It is a natural development of the war that those

who stay at home shall think of the comfort of those who are fighting.

At the outbreak of hostilities we anticipated this new phase of business. Our advertisements during the past fourteen months have reflected our efforts in this direction in no uncertain degree.

We cannot, in the space at our disposal, go into details of all our "War Lines." Some of our most popular productions are, in the words of our valued customer, "articles which might be easily carried and yet serve a useful purpose."

Khaki holdalls, unbreakable mirrors in cases, writing companions,

folding safety razors and tinder lighters; air cushions and waterproof trench seats; these admirably fill this category. The health of our soldiers and sailors has not been forgotten. In our iodine ampoules, body belts, and "Active Service" foot powder—to name a few—Pharmacists will find topical and saleable productions.

We started out to demonstrate our utility. The article developed into a review of our war lines. It illustrates, in two ways, the meaning of the House of Maw Service.

Capsule

Malt Extract

Place your orders with

CALDER'S

Your own label
on
bottles fitted with
patent antiseptic cap.

MALT EXTRACT.

LOWEST PRICES
ON APPLICATION.

MALT EXTRACT with Cod Liver Oil.

Owing to the increased price of
Cod Liver Oil, the prices for Malt
and Oil are varying somewhat.
Write for our special quotation.

Only the finest barley is used,
and the malt is carefully con-
centrated by the latest process.

Not a particle of CALDER'S
Extract is sold until it has been
tested by Analysis as to purity
and strength.

Every bottle of CALDER'S
Extract is hermetically sealed
by a patent antiseptic cap,
ensuring that the contents reach
the consumer in excellent condition.

Only the finest Cod Liver Oil is used.

May a representative call
and give you fuller details?

CALDER'S YEAST COMPANY, LIMITED.

1, Peckham Grove, S.E.; 20, Lloyd's Row, E.C. LONDON.

Calder House, Bath Lane, NEWCASTLE-ON-TYNE.

66, Victoria Street, MANCHESTER.
10a, George Street, EDINBURGH.

25, Bond Street, LEEDS.
Albert Street, BIRMINGHAM.



The **ECLIPSE**
of
Cologne

An Open Letter to Pharmacists

Gentlemen,—There are two points about EAU DE LOUVAIN, the British substitute for German Cologne, which I claim, as an experienced Retailer, are well worth your while to note.

The first is the rapid and widespread demand for this *ideal* Toilet Perfume, and the second is the generous terms upon which it is supplied. Further, in order to safeguard your full profits, LOUVAIN has been placed on the P.A.T.A.

I will make it worth your while to hold a stock of LOUVAIN—I will help you to sell it, and I will secure for you a handsome profit.

LOUVAIN is a delightful preparation—and if you will write me personally I shall have the greatest possible pleasure in sending you a sample and providing you with full details of a scheme that holds many mutual attractions.

E. H. Mogg

Managing Director.

LOUVAIN PREPARATIONS, LTD.

48 Fulham Road, South Kensington, W.

'Phone : Kensington 5339.

And of all Wholesalers and Druggists.

The SALVARSAN and
NEO-SALVARSAN

Substitutes—

Galyl

Hectine

Hectargyre

Ampsalvs

Diabetifuge

Iodargol

Iodeol

Mersalv

Supsalvs

Uraseptine

BOUGIES. TAMPOVULES

Sole Agents for the British Empire—

M. BRESILLON & CO., Gamage Buildings, LONDON, E.C.

Telephone : 1311 Holborn.

Telegrams : " Ampsalvas London."

Sphagnol

for

**SKIN DISEASES
WOUNDS-SORE FEET**

THE successes achieved by Sphagnol and confirmed by medical practitioners place it right in the forefront as a remedy for Skin diseases. Severe and obstinate cases of Eczema yield to its application. It is prescribed by doctors for Eczema, Psoriasis, Acne, Herpes, Ulceration of the Ears, Blepharitis, Ringworm, Dandruff, Hæmorrhoids and Pruritus. Sphagnol is being used also as a First-Aid dressing for wounds and for sore feet.

Sphagnol Soaps and Ointment have been awarded the Institute of Hygiene's Certificate for Purity, Quality, and Merit.

*Chemists are cordially invited
to write for full particulars
and free samples.*

PEAT PRODUCTS (SPHAGNOL) LTD
19 Queenhithe, Upper Thames St. London, E.C.

BRITISH MADE

CAMEL HAIR

BRUSHES

AND PENCILS

of every description.

Goat, Squirrel, Sable, &c.

**THROAT BRUSHES WITH WIRE
AND CEDARWOOD HANDLES.**

. . . MOPS, &c. . . .

Wholesale and Export only.

ACTUAL MANUFACTURERS

**THE ART & MEDICAL BRUSH
MANUFACTURING CO.**

**66 ST. MARY'S ROAD
WALTHAMSTOW**

ESSEX

SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF 1915 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

BEFORE BUYING RUSSIAN
LIQUID PARAFFIN, B.P. 1914
PETROLEUM JELLY, B.P.

ALSO TECHNICAL, WHITE AND AMBER.

BRILLIANTINE OILS

WATER-WHITE ODOURLESS, ALSO HALF-WHITE, PALE AND GREEN.

OIL OF PERFUME

FOR SCENTING BRILLIANTINE, HAIR OILS, &c., &c.

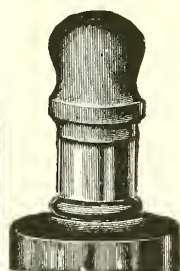
GROUND ESSENCES (HALIFLOR)

FOR MAKING PERFUMES, PERFUMING CREAMS AND TOILET PREPARATIONS.

RICKSECKER'S TOILET PREPARATIONS

APPLY TO US FOR SAMPLE AND QUOTATIONS—HERTZ & CO., 9 Mincing Lane, LONDON, E.C.

The Best Capping in the Whole World.



SEMREH

Self-Fixing and Air-Tight
BOTTLE CAPS

Far Superior to Pleated
Paper or Leather Cappings

PROMPT DISPATCH.

Apply now for Booklet and full particulars :-
The Viscose Development Co., Ltd.
BROMLEY, KENT.

BRITISH MADE

SCENT SPRINKLERS COLLAPSIBLE TUBES

Decorated Tin Boxes & Canisters

Manufactured by
The JOHN DALE Mfg. Coy.,
NEW SOUTHGATE, LONDON, N.

ARE YOU PREPARED

WITH
**WINTER
ADVERTISING
MATTER ?**

Our Latest Samples
will interest you

**ALL ARE
COPYRIGHT
DESIGNS.**

Send for Samples.



Full Set of Samples to Colonies 10/6, which
amount we credit for order of £5 and upwards.

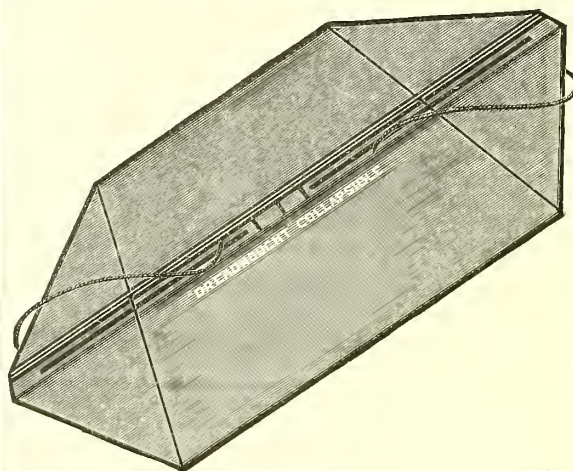
THOMAS WAIDE & SONS,

Chemists' Printers,

KIRKSTALL ROAD, LEEDS.

This is the box
which is being talked about in
Chemical and Drug trade circles:

—THE— 'DREADNOUGHT' Collapsible Box.



The successor of the old-time cumbersome wood packing-case.

Lightness, Strength and Collapsibility are its principal recommendations, but it possesses many other features of superiority.

A trial will convince you of the soundness of our claim that the 'Dreadnought' Box is a packing proposition of real importance.

Try 'Dreadnoughts' for your next consignment; saving in time and packing labour alone will make the change worth while.

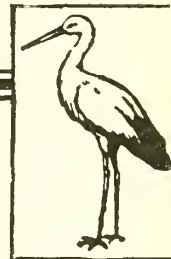
An inquiry addressed to the Makers,

GLOBE BOX CO.,
HYDE :: CHESHIRE

(Proprietors: Cartwright & Rattray, Ltd.)

will secure you full particulars, prices and terms.

Telephone No. 115 Hyde (2 lines).

**NITSCHKE & GUNTHER OPTICAL CO. LTD.**

IN SPITE OF THE SCARCITY OF GOOD QUALITY
SPECTACLE LENSES, WE HAVE BEEN ABLE TO
LAY IN UNUSUALLY LARGE STOCKS OF TORIC,
BI-SPHERICAL, AND MENISCUS LENSES OF FIRST
QUALITY, FINISH, AND ACCURACY. IF YOU ARE
HAVING TROUBLE WITH THE FULFILMENT
OF YOUR PRESCRIPTION ORDERS, SEND YOUR
WORK TO US.



66, HATTON GARDEN, LONDON, E.C.



HOVENDEN'S BRITISH GREASE PAINTS

*These Paints are Manufactured at our Factory in Britannia Row, N.
Guaranteed pure, colours perfect, and quality better than any foreign make.*

We have received the following Testimonials from the well-known Comedians:

"I thank you for sample of your Grease Paints you sent, and I find it a very excellent preparation. I shall certainly continue to use it."—WILL EVANS.

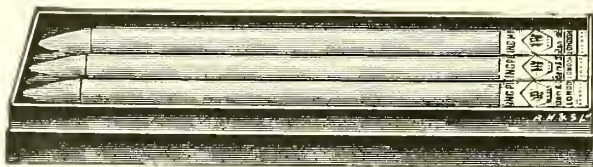
"I beg to thank you for samples of your Grease Paints which I have been using for a fortnight, and in my opinion it is in every way up to the German article, and is decidedly the best I have tried."—LLOYD MORGAN.

MADE IN THE FOLLOWING SHADES:—



- | | | |
|------------------------|---------------------------------|-------------------|
| No. | No. | No. |
| 1. Very pale flesh. | 10. Light Brown. | 20. White. |
| 1½. Moderately pale. | 11. Burnt Umber or Othello. | 23. Light grey. |
| 2. Fair complexion. | 12. Black. | 24. Dark grey. |
| 2½. Medium flesh. | 13. Red Brown or Mulatto. | 25. Old red. |
| 3. Pale complexion. | 14. Chocolate or North African. | 26. Light blue. |
| 3½. Slightly sunburnt. | 15. Brick red. | 31. Middle blue. |
| 4. Dark flesh. | 16. Dark brown. | 27. Dark blue. |
| 5. Sallow or Chinese. | 17. Carmine, vermillion. | 28. Light yellow. |
| 5½. Dark sawlow. | 18. „ light. | 29. Dark yellow. |
| 6. Yellowish flesh. | 19. „ medium. | 30. Rose. |
| 6½. Japanese. | 21. „ dark. | 32. Dark Rose. |
| 7. Brown. | 22. „ extra dark. | Chrome. |
| 8. Armenian Bole. | | Citron. |
| 9. Sunburnt or Indian. | | |

3/3 per doz. Sticks.



LINING PENCILS.

English Manufacture.

Black, Old Red, Brown, Light Brown, Dark Brown, Light Blue, Medium Blue, Dark Blue, White, Flesh, Light Grey, Dark Grey, Carmine.

2/3 per doz. Sticks.



Not less than one box containing Six Sticks supplied.

FETT POWDER.

6d. Tins, 4/- per doz.

1/- Tins, 8/- per doz.

COCOA BUTTER.

6d. Sticks, 3/6 per doz.

1/- Sticks, 7/6 per doz.



Subject to 2½ % Cash Discount.

A copy of our Monthly List will be forwarded on application.

R. HOVENDEN & SONS, Ltd.
29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., W. Tel. No.: Museum 2510 (3 lines).
And 89, 91, 93, & 95 CITY RD., FINSBURY, E.C. Tel. No.: 6260 London Wall (2 lines). **LONDON.**

Factory: BRITANNIA ROW, ISLINGTON, N.

"THE STANDARD OF PURITY"

Petroleum Jellies

B.P. 1915.

WHITE, YELLOW, ORANGE, LEMON.

PAR. MOL. AGITAT.
ALB. & FLAV.

Liquid Paraffin

PAR. LIQ. B.P. 1914.

ODOURLESS. TASTELESS. COLOURLESS.
S.G. '860—'890

WHOLESALE ONLY:—

**STERN SONNEBORN
OIL CO., LTD.,**

Royal London House,
Finsbury Square, London, E.C.
Works:—Burdett Oil Wharf, Stepney, London, E.

White Half-white
and
Coloured **Oils**
YELLOW, GREEN, RED, ETC.

METHYLATED SPIRIT

Buy from one of the Oldest Houses in the Trade.
Write for Prices. **ESTABLISHED 1794.**

SAMUEL THORNLEY, LTD., BIRMINGHAM

Petroleum Jelly

*White, Yellow, Amber, Ruby Red, for all
Pharmaceutical & Veterinary Purposes.*

MEADE-KING, ROBINSON & CO., LIVERPOOL & MANCHESTER.

SAM^L LAMBERT & CO.,

14 MINCING LANE, LONDON, E.C.

Importers and Exporters.

First hands for all

Estd. 1870.

CRUDE DRUGS & ESSENTIAL OILS.

A few Specialities :—

ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICK-SILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.

Sole Agents for :

Oils : Lemon, Bergamot, Orange ; Terpeneless Oils : Lemon, Bergamot, Orange.—*Fratelli de Pasquale & Co., Messina.*
 Bay Rum and Bay Oil.—*Bornn, St. Thomas.*
 Essential Oils, Drugs, Chemicals, &c.—*National Aniline & Chemical Co., New York.*

DODGE & OLCOTT CO.,

20 MARK LANE,
LONDON, E.C.

THE "D & O" BRAND



is the "Standard of Quality" for



OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT,
SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu.

TONKA BEANS Angosturas.

'Phone:
CITY 2468.

Telegrams:
"EGDARF, FEN, LONDON."

OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.

Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle.

ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by
THOMAS WEST & SON, 1187 Chester Road, **MANCHESTER.**
 Stretford.

DR. EVAN WILLIAMS'

Henna Shampoo

KEEPS THE HAIR YOUNG

FIRST on the market and still FIRST in favour.
 A class product highly valued by ladies everywhere.
 Sells freely at a substantial profit.

Order direct or of your Wholesaler. Specify
 "Dr. Evan Williams," and sell the genuine article.

Descriptive Price List free.

General Agents: 289 Oxford Street, London, W.
 Telephone : Mayfair 663.

FELICE BONAVENTURA & CO.

Telephone No.:
AVENUE 2743.

98 Great Tower Street, London, E.C.

Tel. Address:
"FELIBONA
LONDON."

Manufacturers of

WOOL FAT

(Anhydrous and Hydrous)

Used by the leading Manufacturing Chemists.

Packed in 1 & 3 cwt. kegs,
also in lever-lid tins.

*SPECIAL PRICES AND SAMPLES ON
APPLICATION.*

Headquarters for

CARMINE, Finest French, all grades.

ESSENTIAL OILS, various.

SICILIAN OILS, "Blue Band" Brand,
and others.

GUM ARABIC, Kordofan sorts.

SAFFRON, B.P., and other grades for
export to all countries.

SYNTHETICS (A. W. Schwarz, Zurich).

ORRIS PRODUCTS (A. Migone & Co., Milan)

FINE AND HEAVY CHEMICALS AND DRUGS.

Inquiries for any of the above will receive our prompt attention.

6d.



Make your old
Hat a new one.

In bottles, 6d. each, in
separate neat cartons,
with suitable brush.

These Dyes are a distinct
invention, dyeing the straw
without an objectionable
varnished appearance
and producing the effect
of new goods.

NO GLOSS.

NO POLISH.

On the
P.A.T.A.

Write for terms,
patterns, also leaf-
let of testimonials.

Luton HAI DYE

**WHITAKER & CO., COLOUR WORKS,
KENDAL, ENG.**
London Depot: 60-62 Clerkenwell Road, E.C.
Glossy "Series supplied if desired."
Special Non-Inflammable Series for Export. Est. 1878.
Telegraphic Address: "Dullette Kendal." Telephone: No. 214.

BEETHAM'S "LAROLA"

(Registered)

Is the Skin Tonic for 1915.

It is effective.

It is attractive.

It is price-protected.

It is well-advertised.

It sells readily.

It bears a good profit.

HAVE YOU OUR SHOWCARD?

THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S NEW SHOWCARD.—One of the prettiest litho-
graphic productions which have come to us lately is the Larola
beauty here depicted. The card measures 24 in. by 18 in., and
is all roses, even the word "Larola" being formed from
prickly rose-stems. The fair rose-gatherer has rosy cheeks,
and she and the setting make so bright a picture that no
pharmacy will be complete without it. Copies can be obtained
from Messrs. M. Beetham & Son, Cheltenham, the originators
of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17)
can be had by any chemist who will give it a good
place in his pharmacy.

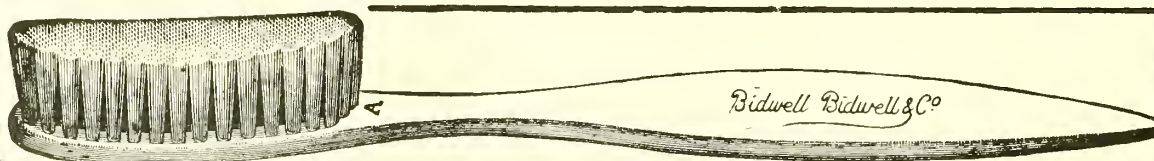
M. & BEETHAM & SON, Cheltenham.

SHAVING BRUSHES.

We are offering a good line in boxes of half-dozen well assorted Brushes in Boxwood and Metal; also Bone and Metal Handles, Hog Hair. Fine bold Brushes, well worth 1/6 each.

Per Case 5/-, less usual discount.

FRANCIS NEWBERY & SONS, Ltd., 27 & 28 Charterhouse Sq., LONDON, E.C.



BIDWELLS' TOOTH BRUSHES.

NO LOOSE HAIRS.

Please send for Catalogue—

BIDWELL, BIDWELL & CO., Ltd., AXMINSTER, DEVON.
LONDON OFFICE: BUSH LANE HOUSE, CANNON STREET, E.C.

SUPPORT HOME INDUSTRIES.

Estd. 1777.



Incd. 1900.

**BUY
KENT'S
BRUSHES.**

Summer Issue, 1915, pp. 62, 63.

Diary, 1915, pp. 104, 105.

ZETTS CLOTH BALL

6d. size sells at 3d., cost 19/6 per gross.

1/- " " " 6d., " 39/- " "

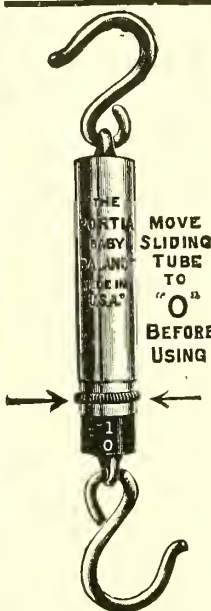
Under 1 gross assorted, 1/9 & 3/6 doz.

O'NEIL, ZETTS & CO.

22 WALBROOK, E.C.

Scotch House:—Munro, M'Laren & Sutherland, Glasgow.

A Profitable Seller



THE
"PORTIA"

(Regd.)

NET WEIGHT

Baby Balance

Weighs up to 15 lb.

| | |
|-------------|------------|
| Price | Retail |
| 11/6 | 1/6 |
| dozen. | each. |

Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

SOLPORT BROS.,

184 to 190 Goswell Rd., London, E.C.

Obtainable through all Wholesale Houses.

— 914 —

of our employees are serving with His Majesty's Forces. Most of them are now in the fighting line.

We have thousands of orders awaiting delivery. The Railway Companies cannot handle traffic quick enough.

We shall be very glad indeed if you will kindly oblige us by placing your orders with our representatives as soon as possible for forward delivery. It is impossible to get goods delivered straight away.

The sooner we obtain the orders, the sooner you will get supplies.

ERASMIC,
Perfumers,
WARRINGTON.

"ERASMIC"
Eau de Cologne.

Refreshing!
Fragrant!



Do not support
the enemy by
buying German
Eau de Cologne.

BRITISH AND BEST.

ERASMIC Perfumers, LONDON.

"LESCOL" FLORAL PERFUMES

In 50 Different Odours.

For Home & Export, to suit all Markets.

LINES FROM 1d. TO A GUINEA.

YOUR ATTENTION IS DRAWN TO OUR

EAU DE COLOGNE

In All Sizes.
Own Manufacture

**Also LAVENDER WATERS, SMELLING SALTS,
BRILLIANTINES, and all Toilet Preparations.**

Write for our **NEW PRICE LIST** (Illustrated in Colours), showing
our very attractive New Lines, to the

LESCOL PERFUMERY CO.,

Lomond Grove, Camberwell Green,
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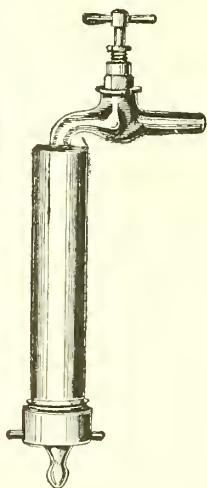
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IT'S ALL IN THE EDGE

It has only recently become possible to hone, sharpen and strop blades equal to new, owing to the recent invention of a special patented machine that holds the blades at the correct angle during several processes, and yet retains the human touch throughout the manipulation of the blades.

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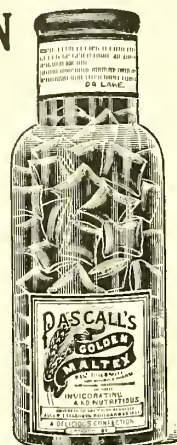
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**Contains
25%
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Quality is the finest ever imported. Specific gravity .880/.890, which is alone recommended by the Medical profession for internal use. Lighter Oils do not have the same beneficial effect.

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"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

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—Hospitals and convalescent homes are introducing Sanaphos to thousands of patients every day; future customers for you.

THE BRITISH MILK PRODUCTS CO., LTD.,
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The fixed prices at which **Sanaphos** is sold show a net profit to the retail chemist of over 30 per cent. on selling price (over 40 per cent. on cost).

The wholesale prices are:—
1/- size, 8/6 per dozen; 1/6 size, 12/9 per dozen; 2/6 size, 21/- per dozen; 5/- size, 42/- per dozen.

Sanaphos is a reconstructive NERVE Food. It is Nutrient, Restorative and Activating.

It is indicated in Mental and Physical Fatigue; Nervous Breakdown; Insomnia; and Neurasthenia.

The product of an alien enemy is effectively displaced by **Sanaphos**.

Sanaphos is an organically phosphated milk product, much superior to the German-owned article.

It is prepared in England under strict scientific control.

Chemists are invited to write for samples and all particulars; and to send names of physicians, to whom we shall be pleased to send samples of **Sanaphos** and copies of numerous professional endorsements.

ENGLISH MADE

Beef Tea & Consommé Cubes

PACKED UNDER OWN LABEL.

Quality Unsurpassed.

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SEND FOR QUOTATIONS TO
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Wholesale and Export Drug Merchants,
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Invite the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

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| * " " " " " " | 1/- | 7/- |
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▲ valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/- 8/-

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Profit - - 33 $\frac{1}{3}$ % PROFIT
 ON COST

**CHELTENHAM NATURAL
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Pleasure - Satisfied customers, who
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 Apenta, Hunyadi and Carls-
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 Natural Aperient Water.

**THE NATURAL
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Packed in Cases of 24 Bottles,
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Retail price (protected) at 1/- Bottle.

Order through Messrs. INGRAM &
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**THE CHELTENHAM
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NATURAL PURGATIVE MINERAL WATER

Entirely supersedes the Waters of Germany, Austria and Hungary.

"The mineral richness of the purgative waters of VILLACABRAS is superior to that of every other known purgative water; it enables the patient to use a smaller quantity for similar effect."

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Expert Workmanship.
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Teeth (with Instructions),
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IT PAYS HANDSOMELY TO PUSH AND DISPLAY “OVALTINE” TONIC FOOD BEVERAGE.

We are now offering 6/- worth of “Ovaltine” at trade prices, carriage paid, for a definite 14 days’ display in a prominent place in your window.

This offer is made to purchasers of minimum orders of £3 (invoice value). Carriage paid to any part of the United Kingdom.

£5 lots are subject to 5% discount for prompt cash, otherwise terms are strictly net monthly account.

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|-----------------|---|-------------|---|----------------|---|
| TRADE PRICES | } | 1/- P.A.T.A | - | 9/6 per Dozen. | |
| | | 1/9 | ” | 16/- | ” |
| | | 3/- | ” | 28/- | ” |

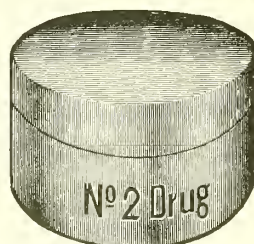
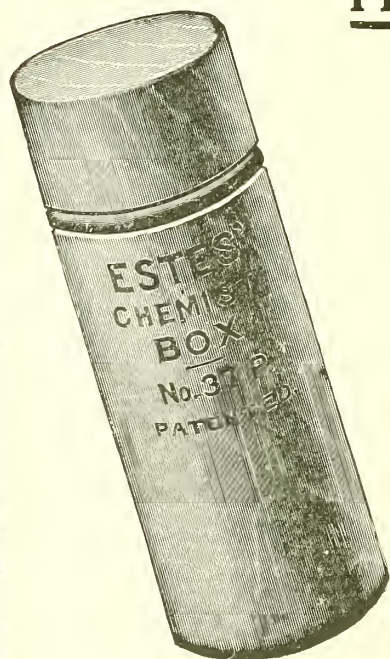
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OUTLAY.

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WORKS: KING’S LANGLEY, HERTFORDSHIRE.

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BEST & CHEAPEST IN THE WORLD

**MADE FROM AMERICAN WHITE BIRCH,
FREE FROM KNOTS**



PRICES FROM 1/- GROSS

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SUPPLIED**

**ANY SIZE OR SHAPE TO ORDER.
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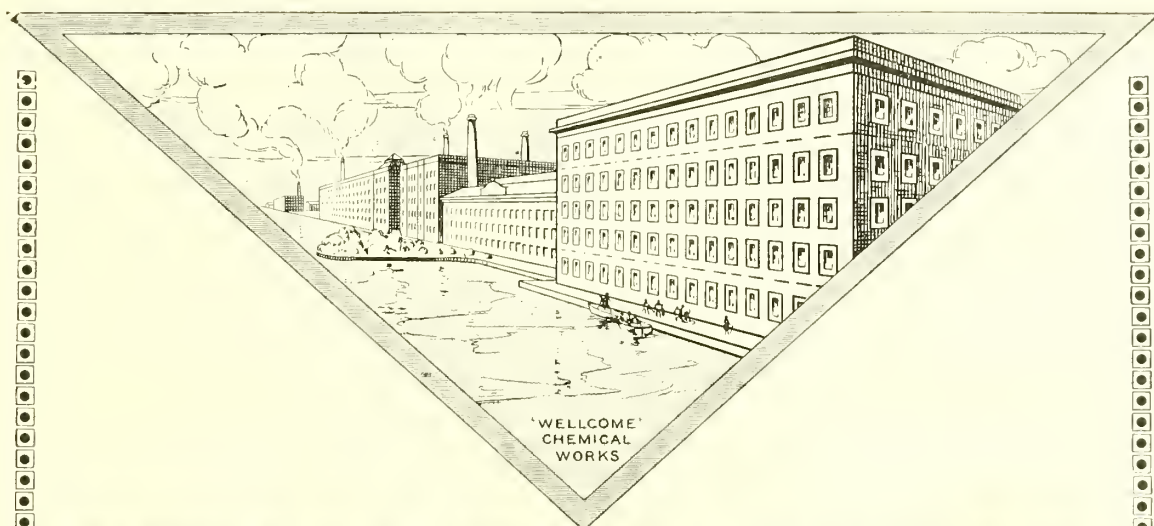
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(Trade Mark)

CHEMISTS should inform medical clients that in addition to being B.P. the 'Wellcome' Brand product is

PHYSIOLOGICALLY STANDARDISED

Its strength is therefore definite and constant. It is manufactured at the 'Wellcome' Chemical Works, Dartford, Kent.

PREPARATIONS

'Wellcome' Brand Adrenalin, B.P.

In tubes of gr. 1 (0.065 gm.), at 48/0 per dozen tubes

'Wellcome' Brand Solution of Adrenalin, B.P.
1 in 1000

In bottles of 10 c.c., at 16/0 per dozen bottles

Wellcome' Brand Adrenalin and Cocaine Hydrochloride

In bottles of 10 c.c., at 12/0 per dozen bottles

Each c.c. contains Adrenalin, 0.00003 gramme (gr. 1/2160), and Cocaine Hydrochloride, 0.02 gramme (gr. 1/3); or each ten minims contain Adrenalin, gr. 1/3650, and Cocaine Hydrochloride, gr. 2/11.

'Tabloid' Adrenalin

0.0003 gramme (gr. 1/216); and 0.001 gramme (gr. 1/65), in tubes of 12, at 12/0 and 18/0 per dozen tubes, respectively

'Tabloid' Ophthal. (CC) Adrenalin

0.0006 gramme (gr. 1/108), in tubes of 12, at 12/0 per dozen tubes

'Soloid' Adrenalin

0.0012 gramme (gr. 1/54); and 0.005 gramme (gr. 1/13), in tubes of 6, at 12/0 and 30/0 per dozen tubes, respectively

'Soloid' Adrenalin Comp. with Eucaine, No. 1

In tubes of 6, at 20/0 per dozen tubes

'Soloid' Adrenalin Comp. with Eucaine, No. 2

(One-tenth the strength of No. 1)

In tubes of 12, at 12/0 per dozen tubes

'Soloid' Adrenalin and Cocaine Hydrochloride

In tubes of 12, at 12/0 per dozen tubes

'Soloid' Adrenalin with Atropine Sulphate

In tubes of 12, at 12/0 per dozen tubes

'Hypoloid' (formerly 'Vaporole') Adrenalin

7 in 1000

'Hypoloid' (formerly 'Vaporole') Adrenalin and Cocaine Hydrochloride

This formula is equivalent to Adrenalin, gr. 1/3650, and Eucaine Hydrochloride, gr. 2/11, in each ten minims.

'Hypoloid' (formerly 'Vaporole') Adrenalin and Eucaine Hydrochloride

This formula is equivalent to Adrenalin, gr. 1/675 and Eucaine Hydrochloride, gr. 1/5, in each ten minims.

The above 'Hypoloid' products are issued in hermetically sealed containers of 1 c.c., at 30/0 per dozen boxes of 10

'Eunule' Adrenalin

0.001 gramme (gr. 1/65), at 32/0 per dozen boxes of 12



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London Exhibition Room: 54, Wigmore Street, W.

THE IDEAL LUNG & CHEST TABLET.

"LUNCPINES"

They excel all others at the price, and give entire satisfaction to the public. Splendid Showcards, Window Bills, also neatly printed POCKETS and CARTONS for retailing purposes, sent free with each order. We are also running along with the above, the FAMOUS

LUNGPINE COUGH CURE

which retails at 9½d. and 1/3. The line is neatly packed in Black and Grey Cartons, which make a very effective display along with the Window Bills that we send with each order.

SAMPLES OF LUNGPINES ON APPLICATION.

CUPAL LIMITED, BLACKBURN.

'Panopepton'

'PANOPEPTON' presents the entire edible substance of prime lean beef and best wheat flour in a perfectly soluble, diffusible, and absorbable form. It is at once a grateful stimulant and food.

For an adult the usual portion should be a dessertspoonful to a tablespoonful several times a day and at bedtime.

Supplied in 6-oz. and 12-oz. bottles at **27/-** and **46/-** per doz.

Glycerinum Pepsini Concentrated (Fairchild)

50% stronger than the product of the 1914 B.P.

To make 24 oz. GLYCERINUM PEPSINI B.P.

| | |
|---|---------------|
| R. Glycerinum Pepsini, Concentrated (Fairchild) ... | 16 oz. |
| Acid Hydrochloric ... | 40 minim. |
| Glycerin ... | 4 oz. 6 drms. |
| Distilled water, sufficient to produce ... | 24 oz. |

Supplied in 4 oz. and 16 oz. (fluid measure) at 16/- and 48/- per doz., and in Winchester Quarts at 18/- each. These prices are subject to B. W. & Co.'s Terms.

GLYCERINUM PEPSINI CONCENTRATED (FAIRCHILD) may be obtained from all Wholesalers.

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FAIRCHILD BROS. & FOSTER, New York
And 64/65 Holborn Viaduct, London, E.C.

Agents for Europe, Asia, Africa and Australasia :
BURROUGHS WELLCOME & CO.,
LONDON, SYDNEY AND CAPE TOWN.



A Weekly Journal of Pharmacy and of the Chemical
and Drug Trades
ESTABLISHED 1859.

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Telegrams: "Chemists, Cannon, London." Telephone 3617 Central (three lines).

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See Coloured Supplement for additional sections of information.

The event of the week is the issue by the Insurance Commissioners of dispensing agreement-forms and the Drug Tariff for 1916. In the latter most of the SUMMARY articles are starred for monthly arrangement of prices (p. 51). Previous to this we discuss the position in Scotland, where the existing conditions continue (p. 46). The General Medical Council has suggested to the Privy Council that the old laudanum should be put in Part 1 of the Poisons Schedule by including therein preparations containing 0.75 per cent. of morphine (p. 41 and p. 48). Readers everywhere will find something in this number to benefit and interest them.

The "C. & D." Annual Subscription.

OWING to the changes in the newspaper postal rates, which came into force on Monday, November 1, the cost of delivering THE CHEMIST AND DRUGGIST has been much augmented, and it has become necessary to increase the annual subscription rate from 10s. to 12s. 6d. Changes of this nature are contemplated by the Post Office and Telegraph Act, 1915 (which creates the new rates), Section 2 (1) being as follows:

"Any contract for the supply or delivery to subscribers of newspapers, periodicals, or other publications at rates including postage, so far as the contract includes the supply or delivery of publications the rate of postage on which is increased after the passing of this Act, and before the first day of January, nineteen hundred and sixteen, may be determined by any party to the contract as from the date on which the rate is raised by notice given to the other party to the contract not later than fourteen days after the increase of rate takes effect."

Notwithstanding this provision, and that the postage on each issue will never be less than double the old rate, all that is proposed in the case of THE CHEMIST AND DRUGGIST is to charge the 12s. 6d. rate for all new subscriptions dating from December 1, 1915, and the same for new and renewal subscriptions dating from January 1, 1916, and thereafter. The increase of 2s. 6d. represents part only of the outlay incurred at this time, as it is not proposed to diminish the interest and utility of the C. & D., but to maintain it as a weekly publication of unimpaired value. Subscribers who receive from the Publisher notice that their subscriptions expire at the end of November are particularly requested to renew promptly, as our subscription department is exceptionally pressed with work at this season, and war conditions are increasing the work greatly.

European War.

A Year Ago To-day.

(War News in "C. & D." November 11, 1914.)

The King's Speech at the opening of Parliament emphasised the Empire's "fixed determination to secure, at whatever sacrifice, the triumph of our arms and the vindication of our cause." We mentioned briefly the steps taken to rid the seas of German vessels and the subjugation of Tsingtau, the German possession in China. The Board of Trade announced modification in the requirements regarding certificates of origin of imports and exports. News was given respecting the Antwerp bombardment and information published of the projected formation of the Belgian Doctors' and Pharmacists' Relief Fund, with the object of succouring the many medical and pharmaceutical victims of the atrocities committed in Belgium by the German invaders. Announcement was made that the lysol, glycin, and metol trade-marks had been avoided. "Paris in War-time" was the title of an account of the effect of war on pharmaceutical business in that city.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

SIXTIETH LIST.

ABERCROMBY, Corporal GEORGE (lately with Farie & Co., chemists, Bridge of Allan), Royal Engineers (transferred from Scottish Rifles). Corporal Abercromby is in hospital in France suffering from bullet-wounds and gas-poisoning.

ALLAN, Second-Lieutenant J. D. (formerly apprentice with Mr. R. R. Hallaway, Ph.D., Ph.C., Carlisle), 3/7th Battalion Argyll and Sutherland Highlanders.

BROCKLESBY, Second-Lieutenant (lately apprentice with Donington & Co., chemists, Spalding), 11th York and Lancaster Regiment.

CAREY, S. G., chemist and druggist (lately assistant dispenser to Sheffield Guardians), R.A.M.C. (3rd Northern General Hospital).

ELLIS, ROBERT ISAAC (lately with Mr. George W. Sawdon, chemist, Whipps Cross, Walthamstow), 2nd Battalion London Welsh.

HAYES, Private LIONEL (lately with Mr. H. G. Williams, The Moor, Sheffield), R.A.M.C.

HILL, GEORGE (former apprentice of Mr. D. A. Bryan, chemist, Penmaenmawr), R.A.M.C.

IBBOTSON, GEORGE (former apprentice of Mr. C. H. Turver, chemist, Blackpool), R.A.M.C.

JAMES, Lance-Corporal CECIL, chemist, The Dubuc Drug Stores, Dubuc, Sask., Canada, 33rd Divisional Cycle Corps, Canadian Contingent.

MUSCHAMP, H. J. (apprentice with Mr. R. R. Hallaway, Ph.D., Ph.C., Carlisle), R.A.M.C.

PETRE, WILLIAM (lately assistant with Mr. W. Everard White, chemist, Gainsborough), R.A.M.C.

RANKINE, Temporary Lieutenant GEORGE, M.B., R.A.M.C., attached Headquarters 9th Divisional Royal Engineers. [Lieutenant Rankine served an apprenticeship with Mr. D. Gilmour, Ph.C., Dunfermline, and was afterwards with Bisset & Gilmour, chemists, Burntisland. He has been awarded the Military Cross for conspicuous gallantry and devotion to duty from September 26 to 23 at Sailly and Vermelles, when attending to and evacuating the wounded.]

RIVETT, NORMAN, 1st South African Contingent, and ARTHUR RIVETT, who was in S.W. Africa with General Botha; sons of Mr. A. J. Rivett, chemist and druggist, Wynberg, Cape Colony.

SANGSTER, CHARLES WILLIAM (son and pupil of Mr. Charles Sangster, chemist, Slough), 9th Battalion Middlesex Regiment.

SMITH, C. HILES (former apprentice with Mr. D. A. Bryan, chemist, Penmaenmawr), R.A.M.C.

SPEEDING, Lieutenant, of Bryan & Speeding, chemists, Deansgate, Manchester, Manchester Regiment.

WATTS, Lieutenant ERIC, Ph.C. (former assistant to Mr. E. Quant, chemist, Torquay, and a student of the Pharmaceutical Department of the Victoria University, Manchester), 9th (S) Battalion Cheshire Regiment. Lieutenant Watts was wounded in the leg near Festubert on September 25. He is now convalescent, and is on furlough at his home in Stalybridge.

WHITFIELD, PERCY (lately with Mr. Harold Lomax, chemist, 43 Edge Lane, Liverpool), R.A.M.C. Mr. Whitfield was erroneously reported killed.

WILLIAMS, D. R. (lately apprentice with Mr. D. A. Bryan, chemist, Penmaenmawr), R.A.M.C.

A course of six lectures for officers and members of officers' training corps has been inaugurated at the Manchester Municipal School of Technology, under the auspices of the local O.T.C. The lecturer is Mr. P. Tainsh, F.I.C., chief chemist to Lever Bros., Ltd., and previously for nine years chemist in the works of Nobel's Explosives, Ltd. The fee for the course is 10s. 6d., which is reduced to 5s. for members of the Forces.

Dr. Armstrong, speaking at a meeting of the Manchester Section of the Society of Chemical Industry on November 5, declared that the tendency in the chemical industry of this country in future should be to amalgamate the smaller businesses into big concerns. Mr. J. H. Hoseason, Ph.C., Chairman of the Section, said that one of the great difficulties was the inability to get hold of youths to train properly in chemical work. Parents send their children where they can bring in wages at once, with little regard to the future.

Sheffield.

Mr. Percy Carr, chemist and druggist, has been appointed Chairman of the Recruiting Committee for the Ecclesall district.

The badges referred to in a paragraph in this section of our issue of October 25 as given to civilian pharmacists are souvenirs, and not war-service badges.

Mr. A. H. Culverhouse, chemist and druggist, who has been elected Vice-President of the Sheffield Pharmaceutical and Chemical Society, has taken an active part in local Association affairs for some years, and is Vice-Chairman of the Pharmaceutical Committee.

The Vice-Chancellor of the University (Mr. H. A. L. Fisher) will preside at a meeting of the National Federated Health Association at the Victoria Hall on November 24. The Association has requested the attendance of three delegates of the Chemical and Pharmaceutical Society, which has appointed Mr. H. G. Williams, Mr. A. H. Culverhouse, and Mr. S. Furnival to attend.

A Hospital Supply Depot is to be established in connection with the University of Sheffield. The object of the scheme is to arrange for the supply of bandages, swabs, and similar articles to hospitals in Sheffield and neighbourhood. It is unlikely that the larger hospitals will avail themselves of this new source of supply, but there is a possibility that the provision of such items for the smaller hospitals will be diverted from local chemists.

The Corporation is moving in the matter of a closing order under the Shops Act, the proposed closing-hour being 8 p.m. daily except on Saturday (10 p.m.), besides the usual weekly half-holiday. The Sheffield Pharmaceutical and Chemical Society has been asked to support the movement. Chemists in the centre of the city have decided to close at 7.30 each evening, except Saturday, from November 8. The closing-hour on Saturday is left to the individual chemist. The Insurance Committee has been notified of these arrangements.

Miscellaneous.

NEEDHAMS, LTD., inform us that they have never occupied a shop in Cornbrook Street, Manchester, as was reported in the *C. & D.*, October 30, p. 37.

FIRE.—Damage to the extent of about 250l. was done by fire at the premises of H. Stiles & Son, chemists, French Gate, Doncaster, on November 3.

POISONS AND PHARMACY ACT.—During the past twelve months Wolverhampton Town Council has granted two agricultural poison-licences. The Surrey County Council granted one such licence at their last meeting.

ROYAL SOCIETY OF ARTS.—The ordinary meetings of this Society, which will be resumed on November 24, will be held at 4.30, instead of 8 as formerly. The lecture on December 1 will be by Dr. Shipley on "Insects and War."

THE WINE-LICENCE attached to the business of Mr. Thos. Vickerman, trading as J. & G. Clemishaw, Ltd., chemists, 10 Water Street, Bury (Lancs), has been transferred to Mr. T. J. B. Todd, assistant-secretary of Taylors' Drug Co., Ltd.

FATAL CARBOLIC BURNS.—While pumping carbolic acid into a neutraliser at the Devonshire Works, Staveley, recently, a workman named Ralph Bevington caused the acid to splash over his arms and legs. He succeeded in getting

away from the pump, but immediately collapsed. Death followed from shock caused by the severe burns.

POISONING CASES.—Four of the five deaths due to poisons reported during the week were suicidal cases, the poisons used being carbolic acid, spirit of salt, strychnine, and prussic acid. The last was taken during temporary insanity by a chemist's sister, who had obtained access to the cupboard in which it was kept. A Southport man died as a result of taking an overdose of morphine.

PHARMACIES INVADED.—On November 2 a bull invaded the shop of Boots Cash Chemists, Ltd., Wellington Street, Aldershot, smashing a showcase filled with toilet-articles.—A pair of mules attached to a military cart dashed into the shop-front of Mr. L. Arden, Ph.C., High Street, Winchester, on November 1. A large plate-glass window and some plate-glass shelves and electric fittings were broken.

WOOD-DISTILLATION.—In the early days of the war we mentioned that the Agricultural Department of Armstrong College, Newcastle-on-Tyne, contemplated starting wood-distillation. We now learn that the apparatus has been installed at Chopwell Woods, and the senior students are being instructed in the art of wood-distillation, all the pyroligneous products being utilised and sold, including acetate of lime.

BRIGHT LIGHTS.—At the South-Western Police Court, on November 6, Mr. Walter F. Enness, chemist and druggist, 91 High Street, Wandsworth, London, S.W., was fined 3l. for neglecting to subdue his shop-lights on October 9.—A Brighton chemist was charged on November 5 with failing to sufficiently obscure a light from an attic window. Amid much amusement a Wright's coal-far soap shade, which had been on the light in question for about six months, was handed up for the inspection of the Magistrates, who thereupon dismissed the case.

COCAINE FOR SOLDIERS.—At the hearing of a Vagrancy Act charge against Ralph Edwards at Westminster Police Court, on November 10, of which he was found guilty and sentenced to six months' hard labour, the prisoner stated that there is a ready market for cocaine among Canadian soldiers at Folkestone, and he mentioned a chemist at Newington from whom he bought it at 11s. a quarter of an ounce. It was in connection with these transactions that the prisoner was prosecuted by a woman, who denied that she got the cocaine for Canadian soldiers, but for a girl.

POOR-LAW DISPENSING.—Kingston Guardians have considered an application from Miss J. A. Louch, senior dispenser at the infirmary, following the resignation of Miss Worley, junior dispenser, to be allowed to do the work alone, her salary being increased from 80l. to 110l. The Committee, after consultation with the doctor, recommended that the request be not granted, but the Board decided to refer the matter back for further consideration.—Louth Guardians have been informed by the medical officer (Dr. F. L. Smith) that the increase in salary of 15l. per annum, recently offered, is insufficient to meet the additional cost of drugs, and that unless the amount of the increase is raised to 25l., he must ask the Guardians to supply drugs and appliances. The matter was referred to a committee for consideration.

BOARD OF AGRICULTURE LEAFLETS.—Recently published leaflets include No. 304, dealing with hoose in calves. This leaflet refers to the medicinal treatment of hoose as follows:

It is a popular belief that if volatile drugs, such as turpentine, are given by the mouth, the vapours are given off by the lungs, and exercise a poisonous effect on the parasites. While it is correct that the vapours of such drugs may be excreted by the lungs, the amount so excreted is never sufficient to affect parasites, and therefore treatment of this kind cannot be effective.

The injection of drugs into the windpipe, and fumigation by poisonous gases, give good results, but these methods should only be undertaken with the advice and under the supervision of a veterinary surgeon.

Among the special leaflets are No. 42, dealing with potash-supplies during the war; and No. 46, with top-dressing wheat in the autumn. They are supplied free.

INDUSTRIAL RESEARCH.—Professor William A. Bone, of the Imperial College of Science and Technology, London, in the course of a letter to the Press on the Government scheme for the organisation and development of scientific and industrial research, states that, in his opinion, what is most needful for the development of scientific research in relation to industry in this country is a central fund for the subsidising of a limited number of important lines of investigation initiated and carried out by scientific workers and technologists of repute who are or have been in touch with practical affairs, and have acquired at first hand a real knowledge of industrial conditions, and of the economic factors which will necessarily come into play in

connection with any new development. Professor Bone outlines the considerations by which the selection of a particular line of research should be governed and the classes of investigations which would be undertaken. He makes it a further condition that a scientific worker ought not to be put into a worse position in regard to the development of his discoveries because he is financially assisted by the State than if he had been financed privately.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. G. Lane McCormack, Ph.C., The Pharmacy, Monkstown, co. Dublin, has all his three sons serving the country. The eldest is in the Signal Section, the second in the Canadian Army Medical Corps, and the third in the Navy.

Private Robert J. Seymour, of the Canadian Infantry, who has been killed in France, served his apprenticeship with Robert Spence, druggist, Castleblaney, before emigrating to the Dominion. He was a native of Carnagh, near Castleblaney.

The Belfast Corporation has granted an application by Harmur, Ltd., chemists, for permission to erect an illuminated sign projecting over the public thoroughfare at their premises, 31 Ann Street, subject to the usual undertaking being signed.

In regard to the analyst's report to the Sligo Guardians on a defective sample of lin. terebinth., Boileau & Boyd, Ltd., the drug-contractors, write that the sample had evidently been taken from a bottle of liniment which had been insufficiently shaken.

Mr. Timothy Horan, Ph.C., has acquired the Medical Hall, 30 Parnell Street, Clonmel, from Mr. W. Harvey. Mr. Horan was for some years connected with Cooke's Medical Hall, Clonmel, and subsequently was employed at Hamilton, Long & Co.'s, Dublin.

The Police Committee of Belfast Corporation has authorised the Town Clerk to renew licences under the Poisons and Pharmacy Act, 1903, held by Mr. Wm. Hamilton, of Alexander Dickson & Sons, Ltd., seedsmen, 55 Royal Avenue; Mr. Thos. Henry Shaw, 100 High Street; and Mr. W. J. McClements, 100 High Street, seedsmen.

Sale of Food and Drugs Acts.

At the Navan Police Court, Mr. Wm. Finegan, Ph.C., was fined 6*d.*, and 12*s.* 6*d.* costs, for supplying lime-water deficient in strength. The defence was that the sample supplied to the inspector had been inadvertently filtered.

At the Cork Police Court on November 5, Mr. G. A. Webb, R.D., Sullivan's Quay, Cork, was fined 5*s.*, and costs, for supplying acetic acid deficient in strength to the extent of 6.3 per cent. The defence was that acetic acid is not a drug, and that the British Pharmacopœia acid was not asked for. Kiloh & Co., from whom the acid was obtained, stated that it was of the usual commercial strength.

Creditors' Meeting.

An adjourned meeting of the creditors of Mr. Bernard J. Connolly, pharmaceutical chemist, Market Street, Omagh, who also trades as W. & J. Downes & Co., brewers, Enniskillen, was held in Dublin on October 27. After a full consideration of the affairs of the debtor, it was unanimously agreed that the Enniskillen assets be vested in Mr. A. H. Walkey (Cooper & Kenny, accountants) for realisation for the benefit of the creditors of the business carried on at Enniskillen, but without prejudice to the rights of the said creditors against the assets of the Armagh business in the event of their not receiving a dividend of 15*s.* in the pound; that Mr. Boydell (Plunkett & Co., Dublin) and Mr. Plunkett (Plunkett Bros., Dublin) be appointed a Committee to act with the trustee.

Analysts' Fees.

The Omagh Guardians, on November 6, decided to increase the salary of the analyst, Mr. Charles McMullan, Belfast, from 10*l.* to 15*l.*

The Works Committee of the Cork Harbour Board has accepted Mr. D. J. O'Mahony's proposals for analysing samples supplied of oils, white-lead, etc., at 12*s.* 6*d.* per sample.

Mr. Charles McMullan, drug analyst, Belfast, writing to the Ballymahon Board of Guardians, states that he cannot believe the Guardians desire him to work at a loss. The Guardians have refused to grant an increase in salary.

At Coleraine Board of Guardians on November 6 the Chairman read correspondence from the Local Government Board with reference to the proposal of the Guardians to increase the salary of Mr. R. F. Blake, analyst, Belfast, to 22*l.* 10*s.*, which pointed out that the present was not a suitable time for making increases. On the Local Government Board having their attention drawn to the fact that the analyst had refused to accept the Guardians' first offer, they replied that under the circumstances they were prepared to sanction 6*s.* per sample, but they thought the first offer of the Guardians very reasonable. The Clerk said 6*s.* per sample would work out, on the average of seventy-two samples yearly, at 21*l.* 12*s.* It was decided to refer the correspondence to Mr. Blake, and he and the Local Government Board could settle it.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. A. M. Gair, chemist and druggist, has purchased the branch business of Mr. R. Leslie, Ph.C., in George Street, Aberdeen.

Claims against the late John Freeland, chemist and druggist, Bathgate, are to be lodged with Mr. J. Arthur Chalmers, solicitor, Bathgate.

Impaction of the colon in horses has been investigated by Dr. J. F. Tocher, F.I.C., from the bacteriological and chemical sides, on behalf of the Highland and Agricultural Society, of which he is chemist. It is found that the chief factors in producing impaction are:

(1) Too much food and too little exercise; (2) an insufficient supply of water; (3) a paralytic condition of the wall of the bowel; (4) hay badly cured or dry and fibrous; (5) inferior oats and new oats; and (6) a mixture of green grass and old dry grass.

Municipal Matters.

Mr. Alexander Walker, chemist and druggist, has been elected senior Bailie of Jedburgh.

Mr. William Inman has been elected at the head of the poll a Bailie of Edinburgh.

Dundee.

The Directors of the local Dental Hospital are contemplating the establishment of a dental school. Arrangements are being made for systematic courses of study, and it is expected that St. Andrews University will grant the usual degrees to candidates from the new school.

There has been some correspondence in a local newspaper on the increased tax on medicines. The complaint was that instead of adding merely 1½*d.* to 1*s.* 1½*d.* articles chemists are demanding 2*d.* and 2½*d.* extra, and a correspondent in reply stated that that is because chemists themselves have had the wholesale prices raised to them.

Edinburgh.

Mr. A. Scott Dodd, B.Sc., F.I.C., city analyst, has been appointed public analyst and district agricultural analyst for Roxburghshire.

Local wholesale houses are seriously perturbed over the recent "wholesale" enlistments of warehousemen, clerks,

etc. In the case of one firm, already shorthanded, three necessary hands passed into the Army this week. It is felt that those employes who are near the age-limit should be placed on the "starred" list.

The first meeting of the Edinburgh Photographic Society and the Mid-Lothian Photographic Association was held on November 3. Mr. R. Glode Gwyer, Ph.C., who was largely responsible for bringing about the union of the two bodies, recently resigned the presidency of the Society owing to pressure of other work.

Fife.

Several Fife panel doctors are likely to have a "rough passage" at the hands of the Insurance Commissioners, there being talk of huge surcharges. Doctors and chemists met at Kirkcaldy on November 10 in a joint conference.

In reply to inquiries regarding the stocking of photographic apparatus within one mile of any military munition-works or naval base, the military authorities state that they are unable to give advice to chemists or others regarding the interpretation of the new regulations, but they advise persons interested to apply to local police authorities, who are kept informed by naval and military authorities as to the places where the regulations must be enforced. There is an addendum to the effect that, whether in a prohibited area or not, the utmost care should be taken not to infringe Defence of the Realm regulations.

Glasgow and the West.

As a result of Lord Derby's recruiting scheme, masters are keen on female assistants or apprentices.

A strong effort is being made by the educational authorities to dispense with Latin in the Medical Preliminary examination.

Francis Spite & Co. have intimated their intention to withdraw from the Insurance Panel at the close of the current year.

Insurance work will this year be extremely heavy owing to the large numbers of men in shipyards and munition-works requiring attention.

Dr. T. Stewart Barrie was elected an inspector of drugs at the annual meeting of the Royal Faculty of Physicians and Surgeons of Glasgow last week.

Lance-Corporal Gray, chemist and druggist, brother of Mr. Horace G. Gray, chemist and druggist, 246 Crow Road, Partick, played for the St. Mirren Football Club in their last two matches, in one of which he helped to defeat the Celtic club by scoring the winning goal.

The scarcity of qualified chemists and druggists in the West—indeed, all over Scotland—has reached a critical stage. It is urged from all quarters that immediate steps must be taken to conserve qualified men. "Xrayser's" remarks in the *C. & D.*, November 6, are endorsed in Scotland, where it is urged that the National Health Commissioners should be approached in the matter.

"A Chiel amang ye Takin' Notes" communicates the following about the chemists' windows in Glasgow:

John McMillan, Ltd., devote a window to virol.

John Lawrence & Son, Charing Cross, devote their large window to Royal Vinolia goods.

Spears & Co., St. George's Cross, show malt extract in profusion, interspersed with cod-liver-oil emulsion.

Frazer & Green, Ltd., Charing Cross, have always handsome windows. This week saline for the troops is the feature. A card in the window intimates, "Night-bell discontinued for duration of war."

Mr. Alex. Macsween, St. George's Road, makes a departure from traditional chemists' windows by showing a nice assortment of dainty flash-lamps, goblin faces, water-kelpies, and suchlike fairies with glaring eyes.

Mr. John Foster, Cambridge Street, makes a hit with a very tasteful window-display of liquorice-juice and cough-syrups. The window is festooned with bay-leaves, and in the centre is a card, "For coughs and colds try the old-fashioned remedy, Savarini juice." A second window contains an excellent toilet collection, having colours well blended. Mr. Foster's Charing Cross window-show is devoted to Veno's cough-cure and Wright's coal-tar soap; a second one to Snowleen and toilet-requisites; and a third to health granules and salines for the troops.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

BUSINESS CHANGE.—Pimm, Ltd., have taken over the businesses lately conducted by Wilkins & Co., Kimberley, and Burton & Co., Beaconsfield.

PERSONAL.—Mr. and Mrs. Robert Davidson arrived in Cape Town, per s.s. *Italian*, on October 22, after having spent a holiday in the Old Country.

Mr. BLAKE JARDINE, the former Secretary of the Proprietary Articles Trade Association of South Africa, has joined the Overseas Contingent, and is in training at Potehefstroom.

DRUG STOCKS.—The scarcity of stock of synthetic drugs is becoming more acute out here, writes our Cape Town correspondent. Acetosal is practically (at time of writing) unobtainable, and what is offering can only be obtained in ounce quantities at 7s. per oz. Phenazone and phenacetin are ruling high—between 50s. and 60s. per lb. Chemists cannot go on dispensing at the old rates. Up to now the majority of chemists have adhered to the old Tariff, but in view of the prices which have now to be paid for drugs and chemicals a rise in the charges is inevitable.

Transvaal.

PHARMACEUTICAL SOCIETY.—At the annual meeting of the Pretoria branch of the Transvaal Pharmaceutical Society the following officers and members of Committee were elected: *President*, Mr. John Sachs, J.P.; *Treasurer*, Mr. Anderson; *Secretary*, Mr. L. R. Tibbit; *Committee*, Messrs. Galpin, Mossop, Bonthron, and J. R. Jones.

AN ADVERTISING SCHEME.—The Toilet Requisite Co. sued the proprietors of the "Transvaal Leader" for 21,424l. as damages for breach of contract. Judgment was given on October 11 by Justice Mason at Johannesburg. The Toilet Requisite Co. had obtained a contract with the defendants for the use of certain space in the advertising pages of the "Transvaal Leader" which was used for advertising a prize-scheme. The defendants repudiated the contract as the insertion of the advertisements would have exposed them to prosecution for conducting a lottery. Judgment was given for defendants, with costs, the scheme of plaintiffs being pronounced by the Judge as illegal.

Cape Province Pharmaceutical Society.

A GENERAL MEETING of the Cape Province Pharmaceutical Society was held at the Rooms, 65 Hont Street, Cape Town, on October 21. There were present: Mr. J. Sloan, President, Messrs. G. R. Cleghorn and Jas. Dell, Vice-Presidents, Dr. Froembling, and Messrs. Petrie, Aitken (Hon. Secretary), Hill, Ferguson, F. Coll, Asher, Roytowski, and Austin Thomas. The first item on the agenda was to receive nominations for election to the Pharmacy Board. The President said the triennial election of the Pharmacy Board was impending, and it was necessary to send in nominations within the next few days, consequently any nominations the Society wished to be sent in should be made that evening. Mr. Petrie proposed that the three retiring members, Messrs. Cleghorn, Mager, and Parry, be the Society's nominees, and that the members of the Society should support them in their candidature. This was seconded by Mr. Dell and carried unanimously. It was also decided that the Secretary write to Messrs. Mager and Parry to this effect. The President read the report of the Committee appointed to go into the matter of new rooms, which was as follows:

"Your Committee have met, and having got sufficient signatories to a guarantee for the estimated difference in rent, are unanimously of the opinion that it is desirable to have more central and commodious rooms, or, if possible, two rooms—one for the school and one for a Council-room. However, as your Committee were not empowered to take any further steps towards taking a room or rooms, they now ask for that power, so that, if after looking around they find rooms which in their opinion would meet with the requirement of the Society, they may be in a position to take them."

Mr. G. R. Cleghorn proposed that the report be accepted and forwarded to the Finance Committee for consideration and report, and that the President call a special general meeting at as early a date as possible to decide what action the Society shall take in the matter of new rooms. Mr. Cleghorn remarked that it was quite time the Society sought for new rooms. The present accommodation is

quite inadequate, besides being in an out-of-the-way part of the town, and very difficult for any strangers to find. If the Society had rooms in a more central situation, he felt sure more members would attend the meetings. Mr. Petrie seconded Mr. Cleghorn's proposal, which, on being put to the meeting, was carried *unm. con.* After some discussion on the charges for dispensing prescriptions under existing high costs of a great many drugs and chemicals, the meeting terminated.

French News.

(From the "C. & D." Paris Correspondent.)

M. J. BRISSONNET, who died recently at the age of fifty-six, was an ex-assistant professor of chemistry at the Tours School of Medicine and Pharmacy, and a well-known member of the Seine (Paris) Pharmacists' Association.

FOR VALOUR.—Sergeant Gabriel Cazeneuve, of the 23rd Colonial Infantry, who was badly wounded some months ago and has been awarded the Military Medal "for valour," is the son of Senator Paul Cazeneuve, head of the Pharmaceutical Group in the French Parliament.

ALCOHOL SUPPLIES.—The new regulations regarding the supply of alcohol (*C. & D.*, October 2, p. 37 *et seq.*) has led to the suggestion that the conditions of the importation of alcohol might be modified in favour of the manufacturers of liqueurs. Perfume-makers are also experiencing difficulties through the cessation of supplies of spirit.

PRISONERS OF WAR.—M. Auguste Brancourt, pharmacist, of St. Quentin, has returned to France after eleven months' captivity; MM. Belhomme, of Cambrai, Blair, of Douai, and Cattact, of Lille, are reported to be at Gutersloh in Westphalia (whence M. Brancourt returned). M. Maurice Vuillemoz, pharmacist, of Bourg St. Maurice (Savoie), was captured in Alsace in the first weeks of the war serving as stretcher-bearer, and has since then been at Hohenasperg. M. Elio Marceon, pharmacist, Gueret, was taken in the same way at Arras on September 7 and is at Wesel. M. Jollivel, of Chateaudun, has been a prisoner in Germany since last January. M. Thomassin, pharmacist, of Conflans (Moselle), has been a prisoner for several months. His pharmacy is at present "run" by a German.

BLAUD-NAPOLEON SCALES.—M. J. Vidal, of Ecully (Rhône), whose death was recently reported, was the author of a "History of Pharmacy at Lyons" and the editor of the "Lyons Bulletin of Pharmacy." He had in his collection a pair of apothecary's scales which had been used by Napoleon I., who (he recorded in a note communicated to a French pharmacy journal not long before his death) when an obscure lieutenant at Beaucaire lodged in the house of Blaud, who originated the well-known pill. Blaud had a son then at school, and when the pharmacy was closed for the evening the lieutenant would go downstairs with the lad, correct his home lessons (mathematics, etc.), and give him instruction in physical science. To explain the theory of density, young Bonaparte used Blaud's apothecary's scales and weights. Fifty years or so ago Blaud's shop and plant were sold, M. Vidal bought the scales (a nice old-fashioned model with a column and pedal, which had been restored in 1827), and it stood for many years on his counter in the suburbs of Lyons, still in use.

TRADING WITH THE ENEMY.—M. Henri Racine recently appeared before the Montpellier Court-martial in his appeal against the charge of trading with the enemy (see *C. & D.*, October 2). He is a tall man, sixty-eight years of age, and of confident demeanour. He was alluded to by the President of the Court-martial as a rich man, who had lacked the courage to deny himself a small gain by such conduct. The exact nature of the offence was the supply, since the war, of 12 cwt. of olive oil and 8 tons of neroli to Farina, of Cologne. He pleaded good faith, and his counsel stated that the Farinas are really Italians, though resident at Cologne, and that neroli could not possibly serve any military purpose. The sentence of transportation for life passed on his client was consequently excessive. Several attempts were made to stop proceedings on account of the absence of certain witnesses for the defence, etc., but the Court decided to go on with the case, and Racine was finally condemned to five years' imprisonment, a fine of 4000*fr.*, and confiscation of goods seized in transit, and valued at nearly 11,000*fr.* It is stated that M. Racine will further appeal against this judgment, on the ground that he acted with the authority of his partners, and that consequently they are equally responsible with him.

Legal Reports.

Trade Law.

Magnesium Chloride.—In the Nisi Prius Court at the Liverpool Assizes, before Mr. Justice Low, on November 4, C. S. Wilson & Co., Ltd., sued Tennants (Lancashire), Ltd., for breach of contract to supply magnesium chloride used in the manufacture of "Litosils," a patent floor-covering. Contracts were entered into before the war, and when war broke out plaintiffs failed to receive the quantities as arranged for. The matter was submitted to arbitration, and the terms of the award were now the question in dispute. It was submitted for the defendants that the award was made by a proper tribunal from which there was no appeal unless the award was bad. Also that the contracts were made in 1913 when there were full supplies from Germany, and in the circumstances that arose owing to the war they had a right to suspend the contract. His Lordship gave judgment for the defendants, with costs. A stay was granted.

Sugar Contracts and the War.—Mr. Justice Sankey, in the King's Bench Division on November 9, delivered judgment in an action brought by Batey & Co., Ltd., aerated-water manufacturers, 216 Kingsland Road, London, against Napier, Brown & Co., 23 and 25 Eastcheap, London, claiming 1,171*l.* damages for breach of contract to supply 100 tons of "Tate's K granulated sugar, unblued," at 14*s.* 7½*d.* per cwt., for use in the manufacture of aerated waters. Defendants alleged that the war, under the conditions of the London Wholesale Sugar Dealers' Association, put an end to that part of a contract to supply 2,000 bags, which would have been in operation during the month of August when the war broke out. His Lordship gave judgment for the amount claimed, with costs, for the plaintiffs, and stated that the defendants were not protected by the general conditions of the Association. As to the war clause, a necessary notification of inability to supply on that account was never made, and, in fact, the contract was not broken on account of the war.

Opium Dispute Appeal.—In the Appeal Court, London, Lord Justices Swinfen Eady, Phillimore, and Pickford heard, on November 10, the defendant's appeal in the case of Happe v. Manasseh against the judgment of Mr. Justice Sankey in the King's Bench Division (*C. & D.*, March 20, p. 40). Mr. Hohler, K.C. for the appellant, said the action was brought by Mr. W. M. Happe, Fenchurch Street, E.C., against Mr. E. S. Manasseh, Billiter Square Buildings, E.C., for breach of contract by the defendant to deliver five chests of Patna opium at 117*l.* per chest. Mr. Justice Sankey gave judgment in favour of the plaintiff and awarded him 100*l.* 18*s.* damages. Counsel argued that, according to correspondence of August 15, the contract was repudiated. The terms of the contract were payment cash against documents on arrival of steamer, but plaintiff wished to take advantage of the Moratorium and postpone payment. On these grounds counsel submitted that judgment ought to be entered for the defendant. Their Lordships, without calling on the respondent, dismissed the appeal, with costs.

Malvern Soda.—At Malvern Petty Sessions on November 3, the Birmingham Syphon Co., Ltd., Bordesley Street, Birmingham, were fined 10*l.*, and 10*l.* costs, under the Merchandise Marks Act, for applying a false trade description, "Malvern Soda," to soda-water. Proceedings were taken at the instance of W. & J. Burrow, Malvern, and it was proved by Mr. Thomas Underwood, manager of that business, and Mr. George Browning, F.C.S., that the water supplied by defendants differed in chemical composition from the "Malvern Soda" made by the prosecutors. Malvern water has only six degrees of hardness and defendants' water had thirteen degrees. Mr. James A. Yorke Harris, of Weston-super-Mare, branch manager of Schweppes for the West of England, also gave evidence, and stated that the water in question came from the Malvern Hills. Messrs. Cuffe, Burrow, and Berkeley, three other firms selling Malvern water also obtained their supplies from springs on the Malvern Hills. Malvern water, undoubtedly, had a special value, and the Malvern manufacturers had combined in this prosecution. For the defendants it was submitted that the label on the bottles was "Malvern M.W. Co.'s Soda," and the name of the Birmingham Syphon Co., Ltd., appeared, with an intimation that they had acquired the business of the Malvern Mineral Water Co. An appeal is being entered.

CHINESE WOOD OIL.—The exports from Shasi during 1914 amounted to 6,422 piculs, against 2,213 piculs and 3,005 piculs in 1913 and 1912 respectively.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

HEARD'S AMERICAN OIL CO., LTD. (P.C.).—Capital 50,000/. Objects: To take over and carry on the business of D. V. Miranis as the British-American Oil Co.

LONGTHORNES, LTD. (P.C.).—Capital 250/. Objects: To take over and carry on the business of a chemist and druggist carried on by W. Longthorne at 226 Lordship Lane, Wood Green, London, N., as the "Lordship Pharmacy," and at 505 Leigh Road East, Westcliff-on-Sea, as the "Chalkwell Park Pharmacy." The first directors are W. Longthorne, S. J. Longthorne, and J. O. Boulton.

BRITISH EXTRACTING CO., LTD.—Capital 250,000/., in 17 shares. Objects: To carry on the business of extractors of oil from seeds, also, *inter alios*, that of manufacturing chemists and druggists, and to acquire certain freehold hereditaments at Hull with a frontage to the River Hull. The first directors are H. Chapman, N. B. Foster, J. W. Pearson (chairman), E. Robson, and H. V. Wright (director, managing director, managing director, managing director, and manager respectively of the British Oil and Cake Mills, Ltd., and all of 29 Great St. Helen's, E.C.).

Company News.

FULLERS' EARTH UNION, LTD.—The directors announce an interim dividend at the rate of 8 per cent. per annum, less income-tax, on the ordinary shares for the half-year.

BRUNNER, MOND & Co., LTD.—The directors have decided to pay an interim dividend on the ordinary shares for the half-year ended September at the rate of 2½ per cent. per annum, less income-tax. This compares with 20 per cent. in the previous year.

CHEMISTS' FRIENDLY SOCIETY.—A statement submitted to the Board of Management of this Society shows that the accounts have been audited by the Treasury auditors to January 11, 1914. The accumulated funds at that date were 17. 0s. 6½d. per head of the membership, exclusive of reserve values. The cost per head of membership for the year ended January 11, 1914, was: Sickness benefit—male, 3s. 1.457d.; female, 2s. 9.757d. Maternity benefit—male, 9.454d.; female, nil. This "experience" is less by 9s. 10.543d. for male members and 5s. 10.243d. for female members than the Insurance Commissioners' actuarial estimate. The sickness "experience" for the current year is also likely to be less than the actuarial estimate. Disablement benefit became payable during 1915. The increasing claims for Maternity Benefit indicate the virility of the Society. At October 22, 1915, 473 members had enlisted.

Bankruptcy Report.

Re Oldridge Tucker, Stapenhill, Drug-store Keeper.—The first meeting of creditors was summoned for November 3 at Derby, but a quorum was not present and the estate remains in the hands of the Official Receiver. The debtor ascribes his position to bad trade, particularly since the outbreak of the war. His statement of affairs shows gross liabilities 2307. 17s. 1d., of which 2187. 14s. 7d. is due to thirty-five unsecured creditors. The assets consist of trade fixtures, fittings, etc., estimated to realise 207., and stock-in-trade valued at 87., and, after allowing for a claim for rent, there is a deficiency of 2027. 17s. 1d. The Official Receiver states that the debtor was a dispenser at Ross-on-Wye, Herefordshire, prior to September 1912, when he commenced business at the Drug-stores, Stapenhill, with a capital of 1007. The business was fairly successful for the first eighteen months, the takings then averaging 107. per week, but from that time, and especially since the war, trade steadily decreased, until latterly the turnover was as little as 27. 10s. per week.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. P. W. COLE, Ph.C., has opened a pharmacy at 7 Towneley Street, Middleton, Lancs.

MR. J. H. SMITH, chemist and druggist, 227 Commercial Road, London, E., has disposed of his branch-businesses at Old Kent Road, S.E., and Watney Street, E., but retains control of the Commercial Road business.

Birth.

Authenticated notices are inserted without charge.

GEDDES.—At 62 Albert Road, Alexandra Park, London, N., on October 8, the wife of Alexander S. Geddes, Ph.C., of a son.

Marriages.

Authenticated notices are inserted without charge.

DICKSON—MURRAY.—At the Roman Catholic Presbytery, Whitburn, on November 3, John M. Dickson, chemist and druggist, Armadale, to Mabel Camilla, third daughter of Quartermaster-Sergeant Frederick Murray, 7th Battalion Royal Scots.

HUTCHIN—WOOL.—At St. John's Church, Taunton, on November 8, Ronald Francis Hutchin, chemist and druggist, F.S.M.C., son of Mr. W. F. W. Hutchin, chemist and druggist, Burnham, Somerset, to Dorothy, elder daughter of Mr. J. Wool, Park Street, Taunton.

Deaths.

Authenticated notices are inserted without charge.

CARRUTHERS.—At Kirkbank, Dumfries, on October 29, Mr. Robert Carruthers, Ph.C., aged fifty-six. Mr. Carruthers was the son of Mr. R. B. Carruthers, of Carruthers & Allan, chemists, Dumfries, with whom he served his apprenticeship, passing the Minor examination in December 1879 and the Major in April 1880. After experience in Workington and Cockermouth he returned to the Dumfries business, which he carried on successfully, adding the manufacture of aerated waters, a venture which rapidly developed. Mr. Carruthers was a capable chemist and pharmacist. He was at one time a member of the Dumfries Town Council and a director of the local savings-bank and the infirmary. Some time ago his health caused some anxiety, but a visit to Harrogate appeared to have restored him, and recently he was in good health. On October 28, however, he became suddenly unwell, and passed away next morning. He is survived by a son and two daughters, his wife having predeceased him almost two years ago.

DODD.—At Blackburn, recently, Mr. Francis Dodd, aged sixty-four. He was one of the oldest herbalists in East Lancashire, having been in business in Blackburn for thirty-eight years.

EDGAR.—At Lisnaskea, co. Fermanagh, on November 4, Mr. Joseph Edgar, chemist and druggist. He was in the employ of Adams, Ltd., and was a native of Dromore, co. Down. Mr. Edgar was registered in 1891.

GOOD.—In New York, on November 10, Mr. Brent Good, head of the Carter Medicine Co., aged seventy-eight. Mr. Good was as a lad apprenticed to a druggist in Belleville, Ontario, Canada, from 1851 to 1856. He then migrated to New York, and obtained a situation with Barnes & Co., a wholesale firm, and there he made the acquaintance of Mr. John Morgan Richards, who was also with them. The two young men became friends, and the friendship was a lifelong one. In 1864 Mr. Good entered into partnership with Mr. William Warner, the well-known pharmaceutical manufacturer, of Philadelphia, but four years later started in business for himself as a wholesale druggist under the firm-name of Brent Good & Co. A few years before this he had met Dr. Carter, whose Little Liver-pills had a certain reputation, and he became partner with him—a business distinct from his wholesale drug-concern being constituted as the Carter Medicine Co. Under Mr. Good's direction the liver-pills grew in popularity, and Mr. Good bought out Dr. Carter in 1879, thus becoming the sole proprietor of the business. The pills in due course came to this country, Mr. John Morgan Richards being the agent, and our readers are familiar with their popular and financial success. About twenty years ago Mr. Good informed us that in thirty-six years \$4,000,000 had been spent in advertising the pills, and it is safe, therefore, to say that until now the advertising-account has been not less than 1,000,000/. Mr. Good was one of the first makers of proprietaries to take action in America against the muslin druggists, who made the pills a bait for the public. He refused to supply the departmental stores on better terms than the regular chemists, and was boycotted for his pains. Mr. Good was a frequent visitor to this country, and was a highly esteemed man.

HENDERSON.—At 24 Main Street, Keswick, on October 30, Mr. Michael James Henderson, chemist and druggist, aged seventy-eight.

HEYS.—At Cringledale, Sutton Road, Heaton Norris, on November 2, Charlotte, widow of the late Edward Heys, chemist and druggist, Manchester, aged eighty-nine.

HODGSON.—At 2 Hest Bank Road, Bare, Morecambe, on October 28, Mr. Thomas Samuel Hodgson, chemist and druggist, aged fifty-nine.

MUNRO.—At Stewart Place, Loechee, on November 10, Mr. Neil George Munro, chemist and druggist, aged forty-two. Mr. Munro served his apprenticeship with Mr. J. H. Thomson, his stepfather, at the pharmacy, 102 High Street, Loechee, and was in partnership with him, being one of the best-known and most highly esteemed men in the town. He was a capable pharmacist, and leaves a widow and young family.

OAKES.—At 3 Russell Square, Chorley, on October 12, Mr. George Oakes, chemist and druggist, Harrow, aged sixty-eight.

RALPH.—On October 29, Mr. T. M. Ralph, 21 High Street, Dover, aged sixty-three. Mr. Ralph was the son of the late Mr. T. Ralph, chemist and druggist, who established a business at the above address in 1842. This Mr. T. M. Ralph succeeded to.

TAPLIN.—At 5 Dartmouth Road, Hendon, on October 28, Mr. Joseph Whelan Taplin, chemist and druggist, formerly of the Broadway, Cricklewood, aged sixty-three.

YATES.—At Sunnybank, Oswaldtwistle, on November 3, Mr. Daniel Yates, chemist and druggist, aged seventy-two. Mr. Yates was a native of Oswaldtwistle, and was apprenticed to Mr. W. Ainsworth, chemist, Blackburn. Just fifty years ago he took over the chemist's business at 32 Darwen Street, Blackburn, which had been carried on for half a century previously by Mr. James Pickup. Mr. Yates had not enjoyed good health for some time, though he was at business the week before his death. He is survived by Mrs. Yates, three sons, and three daughters.

Killed in Action.

BROWN.—Recently, Corporal Robert Brown, 6th Battalion East Lancashire Regiment. Prior to enlisting Corporal Brown was employed with C. A. Critchley & Co., chemists, Blackburn.

Wills.

MR. WILLIAM SHEPPARD POLL, Ph.C., of Acle, Norfolk, who died on June 13, aged eighty-three years, left estate valued at 601*l.* 11*s.* 6*d.* gross, with net personality 227*l.*

THE LATE MR. JOSEPH HOLROYD, The Medical Hall, Cleckheaton, Yorks, patent-medicine proprietor, has left property of the value of 24,282*l.* 13*s.* 11*d.*, including personality 11,537*l.* 0*s.* 2*d.*

THE LATE MR. CHARLES HANDSON, 19 Arlington Road, Eastbourne, chemist and druggist, formerly in business in Stamford, where he was Mayor in 1877, left estate of the gross value of 13,474*l.* 10*s.* 11*d.*, of which 13,299*l.* 12*s.* 10*d.* is net personality.

Personalities.

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MR. J. LAURIE, chemist and druggist, Blackpool, has been reappointed a member of the Committee of the Blackpool Tradesmen's Benevolent Institution.

MR. R. FEAVER CLARKE, J.P., Ph.C., Gravesend, and Mr. G. Claridge Druce, M.A., Ph.C., Oxford, have been appointed Visiting Justices under the Lunacy Act, 1890.

MR. RICHARD C. WREN, F.L.S., of Potter & Clarke, Ltd., has returned from his trip to Lagos and other parts of the West Coast of Africa, and looks much the better for the holiday.

In the list of newly appointed examiners for England and Wales of the Pharmaceutical Society of Great Britain, which was given in the *C. & D.* last week (p. 52), the name of Mr. C. H. Hampshire was omitted.

DR. OTTO GRUNBAUM, F.R.C.P., physician to the London Hospital, announces that he has changed his name to Leyton in order to dissociate himself "as far as possible from a nation the deeds of which make it lose any right to be included among civilised races."

General Medical Council.

THE autumn session of the Council concluded on November 4. Continuing a consideration of the penal cases, that of Mr. H. M. Reeve, M.R.C.S., Bournemouth, which was commenced on November 3, was a charge of having knowingly allowed an unregistered midwife to practise as if she were duly certified. On Thursday the Council found the charge proved, but judgment was postponed until the next Session, when Mr. Reeve is to produce evidence of his good conduct during the interval.

MEDICAL ETHICS.

Dr. McVail raised the question of the ethical relationship of medical practitioners to the State, to their patients, and to each other. He proposed that the Education Committee should report on the education of medical students in these matters. Dr. Mackay suggested that such a step might strengthen the absurd view held by the public that medical ethics is a system of rules, akin to those of a trade union, designed to make as much money out of the public as possible. Dr. A. Newsholme, referring to hesitation in diagnosing infectious diseases, said that thousands of lives are lost owing to the delay in verifying diagnosis. The Council might find it practicable to lay down certain rules of action in different cases. Sir Thomas Fraser said a practitioner who hesitates in a doubtful diagnosis of diphtheria is studying his personal interests, and not those of the State. Such a case is a matter of public morality, and not of the medical curriculum. The atmosphere of the schools and of the profession generally is the best means of correcting any aberration in medical ethics. After further discussion the Committee, with Drs. Newsholme and McVail, was empowered to inquire into the matter.

OTHER MATTERS.

Dealing with the dental side of the Council's function, a report on dental education was presented by Mr. C. S. Tomes, in which the deficiency in the supply of dental students was attributed mainly to defects in the law which leave unqualified practice unchecked. A resolution by Dr. Magennis was agreed to instructing the Committee to consider the best means of preventing the public from being deceived by the large number of unqualified persons who are practising dentistry under such conditions as to lead to the belief that they are qualified dentists.

The Council then considered in Committee the question of the recruiting of medical students, and afterwards announced that it had been agreed that it is the duty of medical students other than those in the fourth and fifth years of study to join His Majesty's Forces. The President hoped that every medical school would take steps to convey this information to students eligible for military service.

Sir John Moore then moved, and it was carried, that the Irish Branch Council be authorised to appoint a deputy to attend the Professional examinations held by the Apothecaries' Hall, and to report to the Council upon the general character of such examinations.

A report on the Irish examinations by Mr. W. Taylor was received and entered on the minutes. Suggestions for improving the course of study and the examinations are to be made by the Examination and Education Committees, and the Apothecaries' Hall is to be asked to make any remarks on the report which they may deem fitting.

THE PHARMACOPŒIA COMMITTEE

reported that 24,134 copies of the British Pharmacopœia, 1914, were sold between January 1 and October 31, 1915, and there were in stock of this impression about another 5,500. The Executive Committee had remitted to them a communication from the President of the Privy Council for consideration and report. It called attention to the following recommendation by the Council of the Pharmaceutical Society, viz.:

"That the policy to be advocated by the Council in regard to the sale of laudanum should be that when 'laudanum' is asked for the 1914 preparation should be supplied and the poison-book signed, but when the 1898 preparation is demanded, great care should be taken to label it accordingly, and the attention of the purchaser should be called to the fact that it is the 1898 preparation."

It was further, continued the report, stated in the communication that, "In the Lord President's view, the question to be determined is whether the Society is acting properly in assisting the sale of any preparation of opium that does not comply with the requirements of the new edition of the British Pharmacopœia." The Com-

mittee had reason to think that the form of recommendation published by the Council of the Pharmaceutical Society gave rise to misapprehensions as to its intentions and effect. Having regard to the discussion concerning "laudanum" that took place during the months immediately preceding the publication of the British Pharmacopoeia, 1914, the latter part of the recommendation might be taken as conveying to persons who desired to obtain "laudanum" without signing the "poison-book" information which might enable them to effect their purpose. This would appear to be one ground of the remonstrance addressed by the Coroner for the City of London and Borough of Southwark to the Lord President. In the opinion of the Committee such inferences would have been avoided if an intimation had been addressed to pharmacists by the Council of the Pharmaceutical Society stating that—

"When tincture of opium or laudanum is asked for, no preparation other than that described under these names in the British Pharmacopoeia, 1914, may be supplied, and the 'poison-book' must be signed by the purchaser. When a tincture of different strength or composition is expressly demanded, the prescriber or applicant must indicate clearly the formula for the special preparation he requires."

In view of the fact that the "1898 preparation" is apparently still in demand, and is publicly sold by pharmacists with a label bearing that designation, the Committee are further of opinion that this preparation should be included in the same part of the Schedule of Poisons as that which now comprehends *tincture of opium* or *laudanum*. This result would be obtained if the proportion of morphine specified in the part of the Schedule in question were reduced from "1 per cent." to "0.75 per cent." They (the Committee) recommended that a reply to the foregoing effect be made by the Council to the letter of the Lord President.

The President, in moving the adoption of the report, said that the matter had been very carefully considered by the Committee.

Sir Wm. Whittle seconded the adoption of the report, which was carried *una voce*.

A hearty and unanimous vote of thanks having been passed to Sir Donald MacAlister for presiding, the proceedings terminated.

The session was the last which will be held in the offices in Oxford Street. Next month the staff transfers to the new building just approaching completion in Hallam Street, W. The President, in referring to the coming change, remarked that the premises in which they were then assembled were associated with memories of over half a century of public service, but they had ceased to be sufficient for their growing activities, and most of the members would part from them without any grave regret.

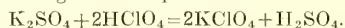
Chemical Society.

DR. ALEXANDER SCOTT, F.R.S., presided at a meeting in Burlington House, London, W., on Thursday, November 4, at 8.30 p.m., and, in opening the proceedings, spoke briefly concerning the letters which had been addressed to the members in connection with the work the Society is doing in the way of assisting the Government with suggestions and inventions likely to be of use in the prosecution of the war. In particular he asked all the Fellows to remember the last letter, in which they were requested to suggest lines of research likely to benefit the industrial work of the country.

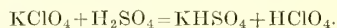
The first paper read was by Messrs. A. W. Knapp and R. O. Wadsworth on the *Reaction between Higher Fatty Acids and Salts of the Lower Fatty Acids*. The authors stated that it had been noticed that the addition of powdered sodium acetate to oils gives rise to a gelatinous mass. These jellies occupy from one-third to seven-eighths of the original volume of the oil. The reaction is given with linseed oil, cocoa stearin, and cocoa-butter, but not with castor oil. If the oil be washed with alcohol, then treated with sodium acetate, no jelly is formed, nor do pure glycerides give a jelly. In fact, the jelly is a soap formed by the interaction of the sodium acetate with the free acid in the oil. From this it seems that the stronger acids can be replaced by the weaker; in fact, on heating stearic acid with sodium acetate pure sodium stearate is formed. At a temperature of 30° C. sodium acetate dissolves in oleic acid to give a clear solution. At 100° C. molecular proportions of oleic acid and sodium acetate form a clear liquid which gelatinises on cooling. With salts of the higher fatty acids no jelly is formed, but the soaps dis-

solve. Sodium formate being much less soluble in the higher fatty acids, no jellies are formed, and the reaction to form soaps is very slow. The formation of these jellies takes place most readily in absence of water.

Mr. W. H. Davis next communicated a paper on the *Interaction of Perchloric Acid and Potassium Sulphate*. In the estimation of potassium by means of perchloric acid it is usually considered necessary to remove all sulphates by the addition of barium chloride. This is not always necessary, as perchloric acid reacts with potassium sulphate according to the equation



This equation, however, holds only when there is excess of perchloric acid. With an insufficient quantity the reaction proceeds as follows:



In order, therefore, to obtain accurate results it is necessary to have an excess of perchloric acid. When this is the case, and the precipitate is washed with alcohol, the results are quantitative.

A paper was read on the *Formation and Preparation of Glucose-monoacetone* by Messrs. J. C. Irvine and J. L. A. MacDonald. In the course of a long series of experiments on the preparation of glucose-monoacetone according to Emil Fischer's method the authors discovered that the glucose-diacetone is the first product, and this on partial hydrolysis yields the monoacetone. This is the basis of the method they adopt. During the investigation they have met with a compound which appears to be a disaccharide of a new type associated with acetone. This body they are proceeding to examine, and they have hopes that it will considerably further the chemistry of the sugars. Mr. W. R. Bousfield described the apparatus used in his experiments on viscosity in special reference to nitric acid, and pointed out the probable reasons for the curious behaviour of the viscosity of different strengths of nitric acid.

Associations' Winter Session.

Bath.—A special meeting of the Bath Pharmaceutical Association was held on November 9 to arrange for the dispensing at the new War Hospital being undertaken by local chemists. Mr. J. G. Hawes, who took the chair till the arrival of the President (Mr. H. W. T. Gedge), called upon Mr. E. Whiston, who had been asked to take charge of the dispensing arrangements at the hospital. Mr. Whiston explained his position, and said that if he got the help he expected he would not have to call upon any chemist to do more than three hours per week. It would require two dispensers each morning, and two some time later in the day. He had already received several offers of service. Several members volunteered their services, both as dispensers and for stretcher-work. In the course of the discussion which followed, Mr. Whiston said that service at the War Hospital would be a safeguard against recruiting of chemists' staffs. He thought he could manage with twenty-eight dispensers during the week, and if they could staff the dispensary, the pharmacists' subscription to the hospital would be equivalent to 400l. or 500l. per annum.

Birmingham.—A well-attended meeting of the Birmingham and Midland Section of the Society of Chemical Industry was held at the University Buildings, Edmund Street, Birmingham, on November 4. The newly elected President, Mr. Rees (of Chance & Hunt, Oldbury), presided, and the meeting took the form of a general discussion on "Laboratory Methods and Apparatus." Dr. E. W. Knapp illustrated a method of taking the melting point of fats; Mr. Tucker showed a new laboratory arrangement for the production of H_2S and H_2SO_4 solution and other noxious fumes; and another member discoursed on the use of electrically produced heat for boiling liquids in flasks and for distilling-operations. Several of those present took part in the discussion.

Blackpool.—A meeting of the Blackpool and Fylde Pharmacists' Association was held on November 5 at the Palatine Hotel, Blackpool. Mr. Huddart (President) in the chair. Nine other members were present. Mr. D. J. Bailey, the delegate to the Conference of Local Associations, gave a report of the proceedings, and was thanked for his attendance. Mr. Boothroyd (Chairman of the Pharmaceutical Committee) reported on the last two meetings of the Committee. A discussion then ensued as to whether pharmacists should continue on the panel, and a recommendation to continue service was adopted. The Association approved of the scheme advocated by Mr. W. H. Saunders in *THE CHEMIST AND DRUGGIST* for the selling of proprietary medicines at face-value.

Cambridge.—The annual meeting of the Cambridge Pharmaceutical Association was held on November 5 in the Croydon Chambers, Alderman A. S. Campkin (the President) in the chair. Mr. B. S. Campkin gave an account of the proceedings of the Conference of Local Associations, which was afterwards discussed by Messrs. Evans, Mallett, and Barker. The officers of the Association were re-elected, after which the President gave his presidential address. He alluded to the work of the Pharmaceutical Council, especially the arrangement made at his suggestion to avoid a contested election for annuitants of the Benevolent Fund. Votes of thanks to the officers were passed.

Carnarvonshire.—The sixth annual meeting of the Carnarvonshire Pharmacists' Association was held at Bangor on November 3, the President (Mr. J. E. Owen) in the chair. A vote of condolence was passed with the relatives of the late Mr. R. Roberts, Carnarvon, and Mr. Baldwin Jones, Pwllheli. The following were elected officers for the year: *President*, Miss Kate N. Horniblow, Llandudno; *Vice-President*, Mr. W. G. Roberts, Llanfairfechan; *Treasurer*, Mr. W. A. Roberts, Llandudno; *Hon. Secretary*, Mr. H. Gibson, Llandudno; *Auditor*, Mr. J. McIntosh, Llandudno. Mr. W. A. Roberts and Mr. McIntosh gave an account of the work of the Local Associations Conference. The absence from the Association meetings of the chemists representing the south-west end of the county was referred to, and endeavours are to be made to quicken the interest of those chemists in the work of the Association.

Derby.—A meeting of the Derby Borough Pharmaceutical Association and Panel Chemists was held on November 2, Mr. H. G. Toy presiding. In regard to the minimum retail prices for drugs it was decided that the Insurance Tariff prices should be taken as the minimum selling price of drugs until the end of the year. The President reported on his visit to the Conference of Local Associations, and was thanked for his report. Considerable discussion took place on the proposed new Tariff for 1916. The meeting decided to accept the Tariff for a twelvemonth. A resolution was passed expressing appreciation of the work of the Pharmaceutical Society. A report by Mr. C. Weston showed that the recent earlier-closing hours were being generally observed. Attention was called to the question of bovril sales by the Co-operative Society, whereby with the dividend the minimum retail prices were being disregarded. This was left with the Executive to deal with.

Doncaster.—Mr. H. W. Shaw presided at the annual meeting of the Doncaster and District Association of Pharmacists on Tuesday, November 2. A financial statement was submitted showing a balance in hand of 2l. 2s. 5d. It was approved. Mr. W. E. Bowness, 42 Netherhall Road, was elected a member. The following officers were elected for the ensuing year: *President*, Mr. F. W. Playford; *Vice-Presidents*, Messrs. W. E. Plant and H. W. Shaw; *Secretary and Treasurer*, Mr. Harry W. Stiles; *Committee*, in addition to the *ex-officio* members, Messrs. F. G. Perkins and S. Moores. The Glasgow Association's letter about small profits and packing-cases was read, and the meeting felt that this is a matter for the P.A.T.A. A long discussion then took place with regard to the new Insurance dispensing Tariff. The Hon. Secretary gave an account of the London Conference and answered questions as to how chemists will stand in comparison with the old Tariff. While it was felt that so far as Doncaster is concerned chemists will be worse off financially, it was recognised that the new Tariff provides a more equitable basis, particularly if the establishment charge can be made out to be more than 0.8d. The retiring President (Mr. H. W. Shaw) was heartily thanked for his services during the past two years.

Great Yarmouth.—A meeting of the Great Yarmouth Pharmaceutical Association was held on November 4, Mr. Richmond in the chair. Five members and Mr. J. Shearman (Hon. Secretary) were also present. Mr. Richmond gave an account of his visit to London as delegate to the Conference of Local Associations. He also reported his attendance at a meeting of the Insurance Committee, and suggested that arrangements should be made with the Committee to have "Urgent" marked on all prescriptions required to be dispensed after hours.

Grimsby.—A meeting of the Grimsby Pharmacists' Association was held on November 1, Mr. Dewing (President) in the chair. Letters were read from proprietors of patent medicines regarding price-protection. The excuse put forward in some cases for not protecting the price under the scheme of the Proprietary Articles Trade Association was that the goods are being sold to Co-operative

Societies. The President, as delegate, reported on the Conference of Local Associations, and was thanked by the meeting.

Harrogate.—A meeting of the Harrogate Pharmaceutical Association was held on November 5. Mr. O. R. Windemer (President), in the course of his inaugural address, spoke of the war and its effect upon the pharmacists of this country. The present canvassing for enlistment would have a marked effect on business, as both proprietors and assistants would feel it their duty to enlist, although he thought that they would serve the country better as pharmacists than in the firing-line. He approved of the action of the Pharmaceutical Society in electing without a contest all the approved candidates for the Benevolent Fund. He suggested that it would be a graceful act for the Association to send up a handsome donation. The question of the retail prices of proprietary articles was next surveyed, and the President advocated that all patents should be sold at face-value. Many other matters of pharmaceutical importance were also referred to. During the discussion, in which most of the members took part, approval was expressed of the administration of the Benevolent Fund, and it was decided to give 5l. from the General Fund and a donation from a special fund made up of private contributions, to show the appreciation of the Association. Early closing was another matter considered, and it was felt that at present no united action could be taken. The Secretary was instructed to write Mr. Saunders (Liverpool), expressing approval of his suggestion that patent medicines should be sold at face-value. In regard to the *Commercial Tariff*, it was felt that the new terms are not quite satisfactory. Messrs. Robinson (Harrogate) and Cope (Ripon) were proposed as members. The President provided refreshments during the evening. A resolution of thanks was proposed to Burroughs Wellcome & Co. for supplying the Secretary with a list of altered prices.

Harrow.—At a meeting of the Harrow District Pharmacists' Association on November 4 Messrs. Skinner and Wolff (President and Secretary of the Middlesex Pharmaceutical Committee) addressed the members on the new Tariff, and after many questions had been answered the general opinion was expressed that, although the Tariff leaves much to be desired, it will be well to continue the Insurance dispensing under the N.I.L. Acts.

London (N.).—A meeting of the North London Pharmacists' Association was held on November 4 at St. Padarn's, Holloway, the President (Mr. A. W. Bromley) in the chair. A vote of condolence was passed with the relatives of Mr. T. H. Hughes who had been a member from the beginning of the Association. The Secretary (Mr. Herbert Skinner) gave a report of the doings of the Conference of Local Associations and the method to be taken to increase the establishment charge of 0.8d. Several members offered assistance, and it is hoped to get some light on this debatable figure. The chief subject of the meeting was "Does the Proprietary Articles Trade Association Satisfy the Needs of Present-day Pharmacy?" The representatives of the P.A.T.A. were Mr. C. J. G. Bunker, Mr. Edwards (President), and Mr. Macdonald (Assistant Secretary). Mr. Bunker opened the question by briefly summarising the causes which led to the foundation of the Association. He pointed out the difficulties encountered from a variety of sources which had been overcome. He admitted that the rate of profit on some articles on the list is inadequate, but these date from early days, and no article is placed on the list at the present time that does not give the agreed profit. He dealt with the demand for face value and advanced the argument of the stores. Finally, he added that the P.A.T.A. is dealing with those articles that are being advertised without any price attached. Mr. Hearle said the address only showed how necessary it was for representatives of the P.A.T.A. to make its virtues known. Mr. Brumwell attacked the question of face value, and argued that the store claim to giving a discount was just as important to retailers as departmental stores. Mr. Skinner fastened on the organisation with its watertight compartments as though the Association started with preconceived notions of compromise instead of accepting such a condition as a final solution. He thought the scrap-heap and many of the District Secretaries were twin brothers, and pressed that they should reconstruct and bring in live men. Mr. Wolff put some knotty problems forward and argued that the rate of profit quoted is fallacious. Mr. Bromley pressed face values, while Mr. Tocher wanted to know the attitude of the P.A.T.A. when any Association got into touch with manufacturers direct. Mr. Edwards, in reply, dealt with several questions and Mr. Macdonald with others. Mr. Bunker admitted that he had enjoyed the discussion, and said that the points raised would be passed on to the Council. A vote of thanks was accorded to the P.A.T.A. representatives.

Newport (Mon.)—A meeting of the Newport Pharmaceutical Association was held on November 9 at the Shaftesbury Hotel. Mr. Gratte presided, and there were also present five members and the Secretary (Mr. T. J. Badgett). A letter was read from the Insurance Committee asking the Association to agree to pay one-third of the cost of scrutiny and analysis of prescriptions for the years 1913 and 1914 in addition to 1915. The members were opposed to this extra expense, as the accounts for the two previous years are closed, and no useful purpose could be served by the scrutiny. After a long discussion, the Secretary was asked to write the Committee and say that the Association could not accede to the request so far as the years 1913-14 are concerned, and that the offer was to bear one-third of the cost of such work for the current year only. A letter from the Glasgow and West of Scotland Chemists' Association was read inviting the co-operation of local chemists in a combined effort to obtain better profit on certain proprietary articles and with regard to the charge on packing-cases. A list of the firms affected accompanied the request. It was decided to circularise the firms mentioned and any others to whom the matter might apply. With regard to the forthcoming visit of the P.A.T.A. representative to Newport, November 24 was suggested, or, if this date is inconvenient, the following afternoon, so as to get the attendance of chemists from the county. With regard to the expenses of the local delegate to the Conference, it was resolved to pay a sum of three guineas out of the funds of the Association.

Perthshire.—A meeting of the Perthshire Pharmacists' Association was held in the Grand Hotel, Perth, on November 3, when Mr. Rutherford Hill addressed the members on the proposed Tariff for 1916. In his summary of the Departmental Committee's Report Mr. Hill demonstrated the impossibility of accepting terms 20 per cent. less than existing rates, which are already inadequate, besides the present is not an opportune time to launch new terms on panel chemists when business is so much dislocated, and actually constitutes a breach of faith. It was also evident that the material conditions in Scotland differ essentially from those in England. The establishment charges and dispensing-fee being quite unremunerative, could not be considered. The meeting unanimously resolved to reject the recommendation of the Departmental Committee, and decline service under proposed terms, but expressed willingness to carry on under existing conditions during 1916.

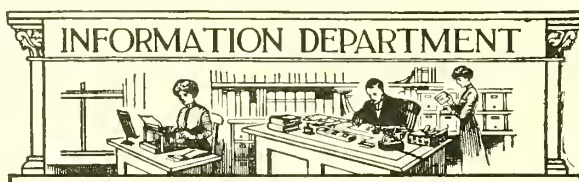
Plymouth.—A meeting of the Plymouth Association of Pharmacists was held at Whimpo Street on November 3 to hear a report of the delegate to the Conference of Local Associations, and to consider the terms and conditions proposed for pharmaceutical service under the National Insurance Act. The delegate (Mr. R. F. Roper) gave a *résumé* of the suggestions accepted by the majority at the Conference, and, having explained the reasons for these, remarked that a noticeable feature of the Conference was its caution rather than its courage. He attributed this to the fact that much of the information brought forward had not been put before the pharmacists of the areas for discussion, and hence some of the reluctance to take an heroic stand. In the discussion that followed Mr. J. D. Turney raised the question of what the establishment charges yielded and how it was proposed to provide for the market fluctuations, and Mr. A. J. Anchiffe and Mr. J. W. Jones expressed disappointment at the results of the Conference. Many present welcomed the abolition of the discounting clause and the assurance from the Treasury of payment in full and the relief from the troublesome clerical work, but the general feeling of the meeting was that under the present dearth of assistants unless a fair margin of profit could be shown they would not continue the work. It was proposed by Mr. J. C. Park (Muley), and seconded by Mr. A. J. Anchiffe (Stoke), that an Investigation Committee be appointed to take the new Tariff in hand as soon as issued, and further that, in the event of this Committee deciding that Insurance work is not sufficiently remunerative, a recommendation be issued to terminate the work.

St. Helens.—The annual meeting of the St. Helens Pharmacists' Association was held on November 3 at The Pharmacy, Bridge Street. The work of the Local Associations Conference was discussed, also the question of early closing and meal-hour closing. The following officers were elected for the ensuing year: *President*, Mr. W. Kesterton; *Vice-President*, Mr. J. Gould; *Secretary*, Mr. A. D. Fox; *Assistant-Secretary*, Mr. J. R. Challenger.

Staffs (N.).—A meeting of the North Staffs Chemists' Association was held at Stoke on November 4. Mr. T. Charles (Burslem) in the chair. Mr. J. A. Dale (delegate) reported on the Conference of Local Associations. He said that, speaking generally, proposals put forward from headquarters were well considered and commanded plenty of

support, but other matters hardly received the same consideration. The discussion on proprietary articles, said Mr. Dale, was humiliating. Mr. T. C. Cornwell was inclined to think that the business of the Conference was arranged too much in advance, and that there was consequently little chance of obtaining unofficial modifications at the Conference itself. The meeting also considered the letter from the National Health Insurance Commissioners on stock mixtures (see p. 53).

Thames Valley.—A Committee-meeting of the Thames Valley Pharmacists' Association was held on November 9 at Kingston, when the officers for the ensuing year were elected as follows: *President*, Mr. C. J. Bunker (Twickenham); *Vice-Presidents*, Messrs. C. Batty (Surbiton) and F. Cherry (Walton-on-Thames); *Auditor*, Mr. C. J. Palmer (Twickenham); *Treasurer*, Mr. A. Higgs, J.P. (Kingston); *Secretary*, Mr. W. H. Peake (Twickenham). It was decided to hold another general meeting this year, and it was arranged to hold a Committee-meeting early in the New Year to settle the programme for the remainder of the session.



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Observations and Reflections.

By Xrayser II.

The Refusal of the Doctors

to accept the recommendations of the Departmental Committee was generally anticipated, and will surprise nobody. It may, indeed, be heartily welcomed, for it has cleared the air and left us the simple alternative of accepting or refusing the new Tariff. Speculation as to what will happen then is idle until the Tariff is actually in our hands; but there are good reasons for hoping that it will prove acceptable. It is at least clear that the Commissioners wish to retain our services if they can, and are going to greater lengths with that object than seemed likely some weeks since. We are not to be altogether sacrificed to the doctors, and if we accept service we shall no longer be at their mercy. Nor are we likely to have worse terms offered in the new Tariff than those we have already virtually refused. In short, the clouds appear to be breaking; the outlook is such as should dispose us to receive the Tariff with a prejudice in favour of accepting it.

Some of the Minor Points

of the revised regulations—such, for instance, as the fixing of a date for the payment of balances, and the possible prohibition of "repeats"—will certainly so dispose us. The question of surcharges on the doctor will in future have for us an academic interest only, and this, again, is something to the good. The floating sixpence will be of less importance to us than heretofore, which is still another point in our favour. Possibly not much of this sixpence will be available towards the payment of our accounts, the attitude of the doctors with regard to it being pretty much that of Canning's "Needy Knifer-grinder": "I give thee sixpence? I will see thee damn'd first"; but with the Treasury's assurance that our accounts will be paid in full we need not trouble ourselves about that.

Canvassing for Recruits

is one thing; conscription is another, and a much more serious thing, and if we wish to avoid it we must to the utmost of our power respond to the pressure put upon us by Lord Derby's scheme. As National Insurance dispensers pharmacists have a strong claim to exemption, and I do not doubt that this will be generally recognised; even under conscription it would have to be recognised to some extent; the necessary business of the country, no less than the King's Government, "must (in Wellington's phrase) be carried on." But this consideration affects legally qualified pharmacists only, and we must be careful not to give a handle to those insidious foes of the craft who are using the present occasion to force on the Pharmaceutical Society the formulation of the by-laws referred to in Section 4 (b) of the Poisons and Pharmacy Act, 1903. It behoves us to be very careful whom we employ, and how we employ them, in dispensing-work.

The Deficiency of Potash

in this country is due to the same cause that has resulted in the German Potash Syndicate being in low water—namely, the impossibility of shipping potash to those countries which in the past have been such good customers. Potato-growers, in particular, are unable to procure their favourite artificials on account of the lack of kainit, and they are anticipating a poorer crop next year in consequence. You say that Germany is looking forward to great demands for potash at the conclusion of peace, but is there not the practical certainty that when that time comes France will also be a seller of potash? If the Allies get what they want, we may look for the potash region in Alsace and Lorraine being once more in French hands. This has been a most valuable property to the Germans, and I hope that in the not very distant future it will revert to its rightful owners.

The Advance in Quinine Prices

is not entirely due, as you point out, to the fact that the German manufacturers are not procuring quinine as formerly, but to the absence of the synthetic antipyretics, with the result that the medical departments of countries now at war have had to fall back on quinine as a febrifuge. As an outcome of this, enormous demands have been made on the quinine-market, one Government alone having sent out inquiries for one and a half million ounces, while several other countries also have been heavy buyers. The orders, as it happened, all came out one on top of the other, with the result that was bound to happen—a sudden rise in prices. But it is almost certain that the phenomenal prices now being quoted will not continue for any length of time, especially since quinine is now on the prohibited list, as it ought to have been all along; and if any of your readers feel tempted to speculate, I would strongly advise them to take "Punch's" advice to those about to marry—"Don't."

I Hope Mr. James Mavor,

now that he has emerged from the decent obscurity of his pseudonym, is not to be one of the "lost prophets" of the drug trade. I will not say that "Jay Mack" would not smell as sweet under any other name, or that his "Macksims" need the artificial stimulus of a pun to drive them home, but your columns will seem the poorer to some of us if we are not to see the old familiar signature now and then. Your report of Mr. Mavor's address at Liverpool is necessarily so condensed as to deprive it of some of its flavour—to condense Jay Mack without squeezing a good deal of essential matter out of him is impossible—but I could wish you had found room for the "ten errors" he charges against us. As it is, one is left with the dreadful suspicion that he included the ladies among them. He certainly seems to have been aiming at the superior persons, but here, at any rate, my withers are unwrung. Perhaps, on the whole, we ought to rejoice that the tale of our errors is not longer.

"Gascony" Powder

(by which is meant Gascoigne's Powder) affords that entertaining writer "S.L.H." a congenial theme for comment in his "Sub Rosa" column in the "Daily News." He finds a formula for it in a work unknown to me, "The Queen's Cabinet Opened" (1671), evidently one of the same class as "Nature's Cabinet Opened," and others with similar titles, which appeared at about the same time, some a little before and some after. The Queen referred to in "The Queen's Closet Opened" (1655), which probably suggested the title of "S.L.H.'s" book, was Henrietta Maria, but Edward VI. and Queen Elizabeth are, along with Dr. "Mayhern," claimed as "approvers" of the latter, which does not seem to be a very learned compilation. The question that interests me just now is, What is the official representative of Gascoigne's Powder? We used to say pulv. cretæ co., and this is in accordance with most authorities, so that the present pulv. cretæ arom. would seem to have succeeded to this distinction, such as it is. But in our older dispensatories, from Culpeper downwards, the name Gascoigne's Powder is given to the official pulv. chelarum caneri co., and in the P.L. of 1738 this preparation and pulv. cretæ co. are found side by side, the latter being the old pulv. e bolo co. under a new name. They had at that time nothing in common except chalk. Of the bezoar stone, pearls, and coral to which Gascoigne's Powder was supposed chiefly to owe its virtue, only coral was retained in the former of these official powders; none of them was present in the other. Rennie, however, regards pulv. cretæ co. as Gascoigne's Powder, and pulv. chelarum caneri co. as pulv. Bezoardicus, which originally it certainly was not, for this was a distinct preparation down to 1746. The fact remains that pulv. cretæ arom., though it is nearest in intention of all our present official powders to that of Gascoigne, has no historical right to be called after him.

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Editorial Articles.

Insurance Dispensing in Scotland.

IN describing and discussing last week the proposed amendments of Insurance Medical Benefit regulations, so far as these are necessary to give effect to the agreement come to in regard to the 1916 Drug Tariff, we mentioned that the agreement is only as regards England and Wales. Dispensing chemists in Scotland have declined to have anything to do with the new proposals, and in this they follow consistently their policy from the beginning. We may recall that the Insurance Act was not welcomed by Scottish pharmacists in general, the only districts where it might be said to be viewed with some favour being a few of the mining areas, where old-established club practices had had the effect either of retaining the dispensing in the hands of the doctors or of inducing them to farm it out to chemists willing to do it for them at the lowest rate. There were also some parts of Glasgow and the West where doctors still kept open shops, and the Act had the effect of closing some of these or transferring them to chemists. For by far the greater number of Scottish pharmacists, however, the Insurance Act meant the transference of a proportion of their dispensing business from a fairly remunerative basis to the lower contract rate governed by the Tariff. The Pharmaceutical Standing Committee (Scotland) made very strenuous efforts while the first Tariff was being prepared to be allowed to make their own bargain with the Scottish Commissioners. The Joint Advisory Committee insisted, however, on making the Tariff applicable to all parts of Great Britain. The Standing Committee were, therefore, obliged to accept the Tariff on behalf of Scottish chemists, but in the hope of effecting such improvements in its details as were possible in the circumstances. The broad lines of the policy carried out by the Standing Committee were:

- (1) To get the Tariff formally adopted in the first instance by the Scottish Commission for the whole of Scotland;
- (2) To take immediate steps to insure that doubtful or ambiguous phrases were rendered clear, and that the chemists did not suffer any disadvantage therefrom; and
- (3) To lodge before the Scottish Commission a strong protest, together with a clearly stated case, in favour of higher dispensing fees, and a request that consideration be given to the latter without delay.

The stated case was duly laid before the Commission in October 1913. At the outset it was extremely difficult to persuade many chemists to undertake Insurance dispensing, but at length it was agreed to give the Tariff a three months' trial on the understanding that the Scottish Commission might be in a better position to consider the whole situation by the end of March 1913. Agreements were accordingly signed for three months only. A mass meeting of panel chemists was held in Edinburgh on March 31, 1913, which was attended by the Chairman of the Scottish Commission, and, on strong pressure being put upon him to do something meantime in the direction of improvement, he made the offer on behalf of the Commission that wherever the demand on the Drug Fund for

the twelve months was kept within the 1s. 6d. per insured person the Commission would sanction the distribution of the remainder of that sum as a bonus *pro rata* to chemists on the panel, a small sum being carried over as a credit balance. This was accepted by the chemists on condition that a stated case would be lodged by the Standing Committee and be duly considered by the Commission. Agreements were then signed for the remaining nine months of 1913. The result was that in 1913 a considerable number of areas earned and received bonuses, and only one area in Scotland exceeded the 2s., and this on practically unchecked accounts. It is doubtful if there would have been discounting even here had a proper check been in operation from the outset. When negotiations for 1914 were in progress the Commissioners still declared that the data at their disposal were insufficient to justify them in raising dispensing-fees, and that so far they had not got the consent of the majority of the doctors to any drastic alterations in the scale of fees, but they offered to continue the *status quo* with a quarterly break in the agreements. This was agreed to, and conditions remained the same till the outbreak of war upset all plans, and the hopes of Scottish pharmacists were temporarily shattered, as the Commission could not be expected to consider raising dispensing-fees for 1915 while a large proportion of the doctors were absent and could not be conferred with. Moreover, there was a strong probability of abnormal rises in the prices of many drugs and chemicals. Chemists therefore agreed to maintain the *status quo* for 1915, with an adjustment of prices monthly for certain starred drugs, the bonus and quarterly breaks being continued. Meanwhile the severe discounting of chemists' accounts in England and Wales was causing trouble, and the Departmental Committee was set up, and in due course reported. It is no exaggeration to say that the report was received in Scotland with amazement, the view taken of it being that discounting was to be abolished in certain areas by the simple method of discounting all areas permanently. The recommendation of the Departmental Committee was that their model Tariff was to be applicable to Scotland as well as England and Wales. An investigation which was as comprehensive as the time permitted showed that the proposed new Tariff would yield something like 30 per cent. less than the current Tariff, this approximating with Sir Robert Morant's statement that 150,000*l.* would be saved yearly on chemists' accounts in England. It was, therefore, unanimously rejected by the General Council of Panel Chemists (Scotland), the Standing Committee being urged to oppose it to the utmost, and, if thought necessary, to frame alternative proposals along the lines of the report. The opposition of Scotland—where surpluses are numerous—threatened to upset the plans which had been made officially, and the Pharmaceutical Standing Committee (Scotland) were requested to send a deputation to meet Mr. Charles Roberts, M.P., and the Chief Commissioners in London to explain their views. The interview ended apparently in a deadlock, neither party succeeding in impressing the other. Subsequently, however, the Chairman of the Joint Committee agreed to accept the *status quo* in Scotland for the early part of 1916 on condition that the Standing Committee would agree to make a complete investigation in order to prove to the satisfaction of the Joint Committee that there are substantial grounds for their objections to the proposed Tariff, and submit the result thereof by June 1916. This the Standing Committee declined to undertake, offering on

their part to advise panel chemists to continue under the *status quo* for 1916, with a satisfactory adjustment of prices, quarterly breaks and bonuses being retained, but with no promises or conditions otherwise attached. The one disadvantage which they feel is that the parent body has entered into an arrangement with the Insurance Commission which works within the limits of the new Drug Tariff, and this is not counted unto them for righteousness.

October Overseas Trade.

OUR overseas trade during October was satisfactory, inasmuch as exports increased by 3,367,150*l.* to 31,968,965*l.* compared with October 1914. Imports are also on the up grade, being valued at 67,792,557*l.*, or 16,413,122*l.* more than in October 1914, but one-third (22,142,855*l.*) consisted of raw and semi-raw materials, which were 8,382,289*l.* more than in October 1914; oil-seeds, fats, and the like were 978,902*l.* more at 3,583,876*l.* Probably the most encouraging feature is the substantial shrinkage (almost three millions) in our imports of foreign-manufactured goods compared with the preceding month of September 1915, the figures being 14,536,984*l.* Compared with October 1914 the increase in manufactured goods is 4,927,645*l.* Imports of chemicals, drugs, dyes, and colours were valued at 1,888,341*l.*, a remarkable rise of 1,020,403*l.* of an all-round character. Some of the more important increases include miscellaneous chemicals 464,642*l.*, saltpetre 34,307 cwt., glycerin 37,214 cwt., brimstone 31,380 cwt., quinine and quinine salts 264,439 oz., and unenumerated dyes 15,432 cwt.; the principal decreases were among dyestuffs and tanning substances, such as valonia and sumach. The main feature of the exports is the rise in manufactured goods to 24,295,016*l.*, or 1,936,334*l.* more. Yarn and textile fabrics show a substantial increase of over two millions sterling, while iron and steel manufactures were 1.1 million more. The activity in the chemical and drug trades is reflected in an increase of 119,046*l.* to 1,689,253*l.* compared with October 1914, but the figures are 55,000*l.* below those of the preceding month of September—a fact more likely due to restriction of permits than to shrinkage of orders. The medicines section expanded from 177,150*l.* to 233,548*l.* compared with October last year. Quinine exports show a decline from 149,161 oz. to 97,501 oz. for the month, but for the ten expired months of the year the shipments were 1,634,934 oz., or 464,741 oz. more compared with October last year. We give fuller details of the quinine figures in our Trade Report. Soda compounds exhibit a remarkable decline to 442,214 cwt. for the month, the figures for the corresponding period of a year ago being 876,850 cwt. The seriously short stocks in the hands of makers and the limited output is fully evident in the shrinkage, especially in regard to bleaching-powder, soda-ash, soda caustic, and sulphate. No doubt the output is limited partly through labour scarcity and the high cost of raw materials. There was a shrinkage of 67,600*l.* in coal products (not dyes) compared with October 1914, but we are still able to release very fair quantities of benzol, toluol, carbolic acid, etc., to our Allies and neutral countries. Glycerin, copper sulphate, potash compounds, tartaric acid, and miscellaneous chemicals all show improved figures. Altogether it is evident that the export demand for chemicals continues good, but the business is being done under difficult conditions.

The "C. & D. Diary," 1916.

By the time that the next number of the *C. & D.* is issued *The Chemist and Druggist Diary*, 1916, will be in the press. This means that business houses who intend to advertise in the *Diary* must give instructions to our Publisher without delay, this being the last opportunity we have of notifying them to this effect, and *they should not miss having space in the Diary.*

Laudanum.

THE General Medical Council's reply to the Privy Council's invitation to snub the Pharmaceutical Council in regard to what it said about the old and new laudanum is that the old kind should also be placed in Part 1 of the Poison Schedule by making 0.75 per cent. of morphine the maximum limit for Part 2 preparations. Surely the General Medical Council has not gone far enough! Would it not suit that body and the Whitehall one infinitely better to have all poisons in Part 1? Or, perhaps, better still, not permit the retail sale of official preparations containing poisons, but reserve their use strictly to medical prescriptions? We mention B.P. things advisedly, because the Privy Council has views of its own regarding agricultural and industrial poisons, and such things as carbolic acid, the free sale of which killed hundreds of people before the Council would agree to schedule it. Hence we have difficulty in understanding its obsession on the laudanum question.

Shortage of Medical Students.

LORD DERBY'S declaration that first, second, and third year medical students should enlist has much perturbed medical-school authorities, and Dr. A. E. Shipley and others have been writing to "The Times" about it, chiefly in regard to the future prospects of the medical treatment of the community. There is a consensus of opinion that the shortage of medical men which is being felt in all directions will persist long after the war, and it is that prospect which alarms the writers; indeed, Professor Barclay Smith, of University College, London, says: "To reduce the feeding of the medical profession to the already attenuated line of the fourth and fifth year students is to court bankruptcy." We are not without sympathy with these doleful utterances, but it is not possible to avoid the reflection that before the war the proportion of doctors to population in this country was one to from 750 to 1,250. Yet there are panel-doctors who have more than 1,000 insured persons on their lists, a few having even more than 2,000, and they do their private practice besides. Our reflection is that there is still a good deal of medical depletion to be done before the general position is stretched to panel possibilities.

Germany's Future.

THE economic prospect in Germany is the subject of a remarkable article in "The Welsh Outlook" for this month. The era of cheap labour in Germany, says the writer, will be ended by the war. Hitherto the price of industrial labour has been kept low by the wretched conditions of the agricultural labourer. Out of an agricultural population of about seventeen millions, fourteen millions "live as proletariat," having either no land at all or not enough to support them. Germany's policy has been to keep them poor, so that they might fit the better into her military system. Sixty per cent. of her conscripts are of this class. The enormous debt she is now piling up will, however, necessitate such taxation as will inevitably break up her vast estates. Small farms will result, and this will not alarm her rulers now the

war has shown that industrial labourers also make good soldiers. There will be a great scarcity of agricultural labourers, and the price of labour will consequently increase all round. The working-classes will have much greater power than in the past, and their power will be felt in the economic rather than in the political sphere. The economic situation will, indeed, be the most pressing on the Government, as well as on the people: to make money will be the one thing needful. The author draws an appalling picture of the moral result of Germany's *Kultur* on the popular mind; her unscrupulous political action is reflected, and under the harder conditions now threatening her will probably be yet more clearly reflected, in the commercial sphere. Germany (he concludes) has unchained forces of immorality which will now be let loose in her own household, where "a proletariat without honour, without aim, without stability, will have placed itself at the very heart of material development." Let us hope he exaggerates; but we may well take such steps as we can to safeguard our own interests, in view of the bitter commercial conflict that doubtless awaits us when the present war is over.

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BROMIDES are offered for prompt delivery by A. Dub, 56 City Road, London, E.C.

BOXES FOR CHEMISTS are advertised by J. Davidson & Co., 98 Shepherdess Walk, City Road, London, W. Applications for quotations are requested.

CHEMICALS AND DRUGS.—Becker Shillan & Co., 40 Eastcheap, London, E.C., are in a position to supply several drugs which chemists find it difficult to obtain at present. Examples that may be mentioned are salicylates, bromides, lanoline, tartaric acid, and Epsom salt.

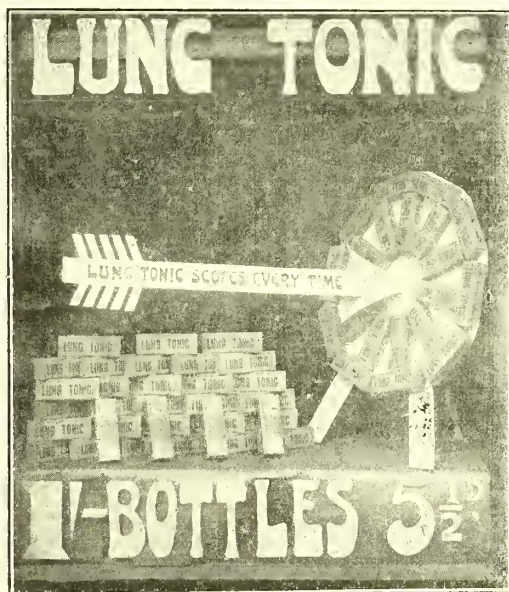
"SANITAS" PREPARATIONS.—The "Sanitas" Co., Ltd., Locksley Street, Limehouse, London, E., advertise in this issue that "Sanitas" preparations will be supplied upon new terms on and after December 1. A scheme of protection at face value is outlined, and trade terms and conditions are given.

EAU DE LOUVAIN.—The name Cologne now conjures up the remembrance of German infamies detestable to civilised people, and this fact has suggested to Louvain Preparations, Ltd., 43 Fulham Road, South Kensington, London, W., the manufacture of a toilet perfume to replace the famous water which has become dishonoured by its association. Eau de Louvain is the happily chosen title of the new perfume, the sale of which pharmacists are invited to assist. The managing director of the company which makes Eau de Louvain is a chemist and druggist, and as such in our advertisement pages he addresses a letter to his colleagues and invites applications for a sample and particulars of a scheme for promoting profitable sales.

MARTINDALE'S LIST.—The November price-list (Part 1) of W. Martindale, 10 New Cavendish Street, London, W., contains several interesting new items. There is a "war list," for example, which deals with drugs needed for the treatment of wounds, the extirpation of body-vermin, and the treatment of poisoning by asphyxiating gases. The list is suggestive of the resources of the house of Martindale. We notice, too, an extended list of fine chemicals which are now manufactured at the Cavendish Works, such as albumin tannate, brom-albumin, chloralamide, colloidal metals, organic mercury compounds, monochlorophenol, resorcin acetate, and thiosinamin. A range of tuberculins is offered to replace German products. These are much superior to the tuberculins hitherto imported from enemy countries, and are a splendid example of what can be done by British bacteriologists. Moss dressings, hypochlorite wound antiseptics, diffusol (an antiseptic superior to lysol), anusol suppositories substitute, paraffagar, maltaffin, and aqua dissocians (Kissingen water substitute) are other examples of enterprising response to the requirements of medical men and chemists. It is interesting to note that the metric system, which has been employed in the list for eleven years in addition to the imperial system for prices, has been abandoned, but a method of calculating the equivalents is given at the beginning of the list.

Chemists' Windows.

Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.



Hitting the Bull's-eye.

One imagines oneself at an archery-meeting when looking at this window. On a raised platform is situated the target, which is made of white board, having empty cartons of lung-tonic stuck on with glue, and supported with three legs made of the same material. The arrow, with its point stuck in centro of target and bearing the words "Lung-tonic scores every time," is made of white board cut to shape, and is supported from the top of the window. A supply of empty cartons is also arranged on the platform underneath the arrow; cut-out white paper letters, "Lung-tonic, 1s. bottles 5½d.," are stuck at top and bottom of the window on the glass. The platform is covered with red paper, which makes a nice warm colour. Only a little time, a little thought, and a little trouble, and displays get right home.—H. A. Martin (Leicester).

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Ultra-violet Rays and Mercuric-chloride Solutions.—

J. Pouget finds ("Compt. Rend." and "Chem. News") that a 5-per-cent. aqueous solution of mercuric chloride exposed to ultra-violet light becomes turbid almost instantaneously, depositing calomel. The action begins rapidly, then slackens, and passes through a minimum. The calomel formed decomposes to HgCl_2 and Hg by photolysis. Most salts of mercury are affected by ultra-violet light; the perfectly dry salts resist it best.

Root-bark of Calotropis Gigantea.—E. G. Hill and A. P. Sirkar have investigated ("J.C.S.," 1915, 636, p. 1437) the constituents of this bark, and obtained the following from 4 kilos.: An oily substance, 78 grams; a white solid, 90.5 grams; a substance like guttapercha, 330.5 grams; and a small quantity of a yellow bitter substance (which gave alkaloidal reactions, but nothing more definite). The oily substance was found to consist of the guttapercha-like solid (which is not guttapercha). The white solid was fractionally separated from hot alcohol into (a) white nodular crystals, melting at 140° , which proved to consist of the isovaleric ester of a new alcohol, $\text{C}_{30}\text{H}_{47}\text{O.OH}$, to which the name *mudarol* was assigned; and (b) white acicular crystals, melting at 210° , which were found to consist of the isovaleric ester of an alcohol, $\text{C}_{38}\text{H}_{61}\text{O.OH}$, to which the authors give the name *akundanol*.

Oil of Cymbopogon Sennaarensis has been examined by O. D. Roberts, of the Imperial Instituto ("J.C.S.," 1915, 636, p. 1465). The plant is known in the British Sudan as "Mahareb" grass. A supply of it, received in 1909, yielded on distillation 1 per cent. of a pale yellow oil possessing a pleasant odour somewhat resembling that of pennyroyal oil, and having the following characters: D_{15}^{20} 0.9333, $n_D^{20} + 34^\circ 14'$; saponification-value, 14; ester-value after acetylation, 60.2. In 1912 a larger supply of the grass was received. This yielded 1.2 per cent. of oil, having the following constants: D_{15}^{20} 0.9422, $n_D^{20} + 29^\circ 38'$; acid-value, 4.2; ester-value before acetylation, 14.5; ester-value after acetylation, 62.1. As a result of a systematic examination of the oil, the author concludes that its composition is approximately as follows: Terpenes (including Δ -limonene and probably pinene), 13 per cent.; ketones (chiefly or entirely Δ -menthenone), 45 per cent.; a sesquiterpene alcohol ($\text{C}_{15}\text{H}_{26}\text{O}$), 25 per cent.; an undetermined alcohol with rose-like odour, 3 per cent.; phenols, undetermined (yielded a benzoyl derivative, m.p. $70^\circ\text{--}72^\circ$), 0.2 per cent.; acids, probably acetic, octoic and decoic, both in the free state and as esters, with palmitic acid as ester), 2 per cent.; residue (probably containing sesquiterpenes), 11.8 per cent.

Medical Gleanings.

"Trench-back"

is the name applied to a variety of conditions arising from injury to the back in the lumbar or sacral regions. The injury is usually caused by the impact of large and heavy masses of matter, such as a quantity of earth or sandbags. Captain John D. Sandes describes in the "British Medical Journal" the method of treatment he has adopted, which consists in ionisation by sodium salicylate. The application is made as follows:

A 1-per-cent. solution of sodium salicylate is prepared. (This can be conveniently done with Burroughs Wellcome & Co.'s solids for ionic medication.) A large pad sufficient to stretch right across the back, and 8 in. or 10 in. broad, is saturated with the solution. The pad must be composed of at least six layers of lint. The patient is placed face downwards on a couch, and the pad is laid over the painful area. A mail-chain electrode is placed on top of the pad, and the whole firmly bound on with a bandage. The mail-chain electrode is connected with the negative pole of a battery or electric machine. The "multostat," if available, is very convenient, as the current can be regulated to a nicety and all fear of severe shocks obviated. An indifferent electrode is then placed upon some other region—say, the upper dorsal—moistened with sodium-chloride solution, and connected with the positive pole. The current is gradually turned on and treatment continued for about fifteen minutes. Applications are carried out twice weekly, and improvement often occurs after the first. Some cases are cured in two or three applications. The indifferent electrode (the positive) should be at least as large as the active (the negative). There should be at least half-a-dozen layers of lint between the mail electrode and the skin; this will allow higher doses to be given without blistering. A 1-per-cent. solution of sodium salicylate is quite sufficient, as the concentration of the solution has little or no effect on the amount of the drug absorbed. The dosage is regulated almost entirely by the amount of the current traversing the circuit, hence a milliampèremeter is necessary; 30 milliampères is the usual amount to be given at the initial treatment. At subsequent applications this can be increased until the patient is taking 100 milliampères, or even more. Some cases tend to blister readily even with low dosages, and allowance must be made for individual differences. As a general rule the higher the milliampèrage that can be borne, the better and quicker will be the results, always remembering that the size of the electrodes must be proportionately increased. The current should be introduced very gradually and also turned off very gradually, as a rapid increment or rapid diminution causes severe shock. Pure distilled water should always be used for making the solutions, as if other salts are present in the water they also will be ionised, and will interfere with the treatment.

THE VALUE OF ANILINE DYES imported into China before the war was approximately equal to that of the dyes imported into the United Kingdom, but as they cannot now be obtained, the Chinese are rapidly reviving their old processes, and the gallnut and indigo are being widely cultivated.

Veterinary Notes.

By a M.R.C.V.S.

A New Dipping-fluid.

THE Queensland Agricultural Department, owing to the great difficulty in obtaining Stockholm tar for the manufacture of sheep-dip, has investigated other materials, and finds that bone oil, one of the by-products of sugar-refineries in the manufacture of bone charcoal, is a good substitute for Stockholm tar. The formula recommended is: Heat 8 lb. bone oil in a boiler, add 2 lb. caustic soda, and boil gently for about fifteen minutes. Then add 8 lb. white arsenic and 2 lb. caustic soda, previously mixed in the dry state. Stir thoroughly until nearly cool. A little water may be added to prevent the paste getting too hard. This quantity is sufficient to make 400 gallons of dip. Used both by spraying and dipping, even in the hottest weather, no sign of scalding could be observed, but the skins of the animals had a particularly sleek appearance. The fluid wetted the skin thoroughly. The peculiar smell of the bone oil prevented animals drinking the fluid, but the odour disappears from the skin after a few hours. A small amount of carbonaceous and greasy matter may float on the top because of some unsaponifiable matter in the bone oil. This may be skimmed off.

Stuttgart Disease.

STUTTGART DISEASE, canine typhus, or hæmorrhagic-contagious gastro-enteritis, common to dogs, is an epizootic disease due to a virus. It is transmitted from animal to animal by direct contact or through excreta and secretions, and, in the majority of cases, it is fatal. It is closely allied to distemper, the main differences being that there is no catarrhal discharge from the eyes and nostrils, and usually the aged are affected. The symptoms vary considerably in intensity and the rapidity with which they run their course in a particular outbreak. There are supposed to be four forms of the disease—viz., mild, acute, chronic, and peracute, the last being the most fatal, running its course in a few hours. The illness always commences with vomiting, and the vomit may be tinged with blood. This is accompanied and followed by refusal of food and water, weakness, prostration and emaciation, coldness of ears, nose, and feet, discharge of dirty saliva, bloody and fetid stools, sunken eyes, infected membranes of the eyes and nostrils, pain over the stomach, diarrhoea, and, latterly, dark and thickened patches, from the size of a sixpence to half-a-crown, appear on the lips and tongue, with excessive twitching of the muscles of the body. The acute form runs a much longer course than the peracute, and the longer the attack, the more chance of recovery, especially when vomiting takes place in the first stage. The chronic condition is known by the excessive languor and prostration. The mild form is often not properly diagnosed, but treated for simple gastritis or gastro-enteritis, recovering in the course of a week or two. Unfortunately treatment often proves unsatisfactory. As soon as the disease is suspected all exercise and exposure to the open air should be stopped. Keep warm and quiet, and give warm black coffee with 15 to 20 minims of tincture of valerian three daily, or one or two grains of quinine salicylate in 10 grains of aspirin. Chloretone and injection of canine distemper vaccine is also recommended. Wash out the mouth with solution of potassium permanganate or hydrogen peroxide. Feed on eggs and peptonised milk, barley-water, and when vomiting is absent small quantities of lean beef; when vomiting is present the nourishment should be given per rectum. Disinfect all walls and fixtures, burn all removables, isolate all animals that have been in contact or in adjoining premises, and keep all new and imported stock in quarantine for at least one month.

AN EMERGENCY DRESSING.—It is said that Army surgeons at the Front have found that the best emergency dressing for neglected wounds is brown sugar, and are using it in preference to many proprietary dressings.—*Medical Press and Circular*.

Insurance Pharmacopœias.

WE continue the comparison of stock-mixture formulæ as given in the local Pharmacopœias which have been issued by Local Medical Committees and Pharmaceutical Committees in connection with Insurance Act dispensing. The series commenced in the *C. & D.* of January 30, 1915 (p. 142). Each of the formulæ is given in a single dose, and the quantities are in parallel columns to facilitate comparison. Each column is numbered, and the names of the areas with alternative names for the prescriptions are indicated by the numbers.

Mist. Acetomorphinae.

| | 1 | 2 |
|-----------------------------|-------|-------|
| Acetomorph. hydrochlor. ... | 1 gr. | 1 gr. |
| Syr. toluani ... | 20 m. | 20 m. |
| Syr. rhusae ... | — | 30 m. |
| Aq. chloroformi ... | to | to |
| Aq. ... | to | to |

1, Bradford; 2, Sheffield (Mist. pectoralis sedans).

Mist. Etheris.

| | 1 | 2 | 3 |
|-----------------------|-------|-------|-------|
| Spt. ætheris ... | 15 m. | 10 m. | 20 m. |
| Spt. ammon. arom. ... | 15 m. | — | — |
| Ammon. carb. ... | — | 5 gr. | 3 gr. |
| Aq. camph. ... | to | 1 oz. | — |
| Aq. chloroformi ... | to | to | to |

1, Birmingham; 2, Doncaster (Mist. ætheris ammon.); 3, Hull (1915).

Mist. Creosoti.

| | 1 | 2 |
|---------------------|-------|-------|
| Creosoti ... | 1 m. | 2 m. |
| Tr. quillaiæ ... | — | 4 m. |
| Chloroformi ... | — | ½ m. |
| Elixir gulsid. ... | 3 m. | — |
| Mucil. tragac. ... | 30 m. | — |
| Aq. menth. pip. ... | to | ½ oz. |
| Aq. ... | to | to |

1, Bradford; 2, Sheffield.

Mist. Ergotæ.

| | 1 | 2 | 3 |
|-----------------------|-------|--------|-------|
| Ext. ergotæ liq. ... | 30 m. | 20 m. | 15 m. |
| Spt. chloroformi ... | 10 m. | — | — |
| Acid. sulph. dil. ... | — | — | 10 m. |
| Pot. brom. ... | — | 10 gr. | — |
| Aq. chloroformi ... | — | — | 2 dr. |
| Aq. camph. ... | to | 1 oz. | — |
| Aq. ... | to | to | to |

1, Birmingham; 2, Essex (Mist. ergotæ co.); 3, Hull (1915).

Mist. Hexamethylenetetramini.

| | 1 | 2 | 3 |
|----------------------------|--------|---------|--------|
| Hexamethylenetetramini ... | 10 gr. | 12½ gr. | 7½ gr. |
| Sodii phosph. acid. ... | — | 15 gr. | — |
| Aq. chloroformi ... | to | ½ oz. | — |
| Aq. ... | to | to | to |

1, Bradford (Mist. formamini); 2, Sheffield; 3, Hull (1915) (Mist. hexamini).

Mist. Hyoscyami.

| | 1 | 2 |
|--------------------------|--------|--------|
| Potass. bicarb. ... | 15 gr. | 20 gr. |
| Potass. citrat. ... | 15 gr. | — |
| Tr. hyoscyami ... | 15 m. | — |
| *Ext. hyoscyami liq. ... | — | 3 m. |
| Inf. nve ursi ... | — | 180 m. |
| Inf. buchu ... | to | 1 oz. |
| Aq. ... | to | to |

1, Birmingham; 2, Sheffield. * Standardised to contain 0.075 per cent. of mydriatic alkaloids.

Mist. Hypophosph. Co.

| | |
|--------------------------|-------|
| Syr. hypophosph. co. ... | 60 m. |
| Aq. ... | to |

Bradford, Sheffield and Hull (1915) (B.P.C. syrup specified).

Mist. Potassii Iodidi.

| | 1 | 2 | 3 |
|---------------------|--------|-------|--------|
| Potass. iodid. ... | 5 gr. | 5 gr. | 7½ gr. |
| Ammon. carb. ... | 2½ gr. | 3 gr. | 3 gr. |
| Inf. quassia ... | to | ½ oz. | — |
| Aq. menth. pip. ... | 1 oz. | — | — |
| Aq. ... | to | to | to |

1, Birmingham; 2, Bradford; 3, Sheffield.

Mist. Scillæ Co.

| | 1 | 2 |
|-----------------------|-------|-------|
| Oxymel scillæ ... | 10 m. | 30 m. |
| Tr. camph. co. ... | — | 20 m. |
| Acid. sulph. dil. ... | 5 m. | — |
| Spt. chloroformi ... | 10 m. | — |
| Spt. ætheris ... | 10 m. | — |
| Spt. æther. nit. ... | — | 20 m. |
| Glycerin. ... | 30 m. | — |
| Aq. chloroformi ... | to | ½ oz. |
| Aq. ... | to | to |

1, Birmingham; 2, Bradford.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND.

Agreements for 1916.

The Commissioners issued to Insurance Committees this week forms of letters to be sent to persons and firms supplying drugs or appliances in regard to the terms of service on and after January 1, 1916, stating that if the recipient desires his name to be removed from the list, notice in writing to that effect must be given to the Committee not later than December 3, otherwise, in accordance with Article 19 (5) of the Regulations, the recipient will be deemed to have undertaken the supply of drugs, etc., for 1916, "on the terms of your agreement in the manner of which notice has been given." An appendix to the letter shows the alterations proposed in the terms of service, as given in Articles 4 to 9 inclusive printed in the *C. & D.*, November 6, p. 53, the following paragraphs being also set forth:

On and after January 1, 1916, every agreement entered into between the Committee and persons supplying drugs or appliances will be read and have effect as if the following provision were inserted therein:

All drugs or appliances supplied under this agreement shall be of a grade or quality costing the person under agreement with the Committee a price corresponding as nearly as may be to the price allowed for the drug or appliance by the Tariff incorporated in the agreement.

A copy of the new Tariff is also sent to each contractor. This is substantially the list of drugs, etc., set forth in the Departmental Committee's Report, as reprinted in the *C. & D.*, September 18, p. 47, but most of the prices have been removed and the articles asterisked because they are specially liable to fluctuation owing to the war. The prices will be fixed monthly by the Commissioners in association with the Pharmaceutical Society and British Medical Association. The following notes preface the list:

(1) The price for each prescription will consist of (a) charges calculated per ingredient and (b) a dispensing-fee in respect of the prescription as a whole.

(2) *Ingredient Charges.*—The amount of each ingredient charge, which is to represent the cost to the chemist of the actual quantity dispensed of the particular ingredient, is to be determined by the ready reckoner used in conjunction with the Table of Drug Prices, or by any alternative method approved by the Commissioners, after consultation with the Pharmaceutical Society of Great Britain, as producing a sufficiently close approximation.

(3) *Dispensing-fee.*—The amount of the dispensing-fee in the case of any particular prescription is to be determined by reference to the scale of dispensing-fees (see Part III.). These fees represent not only remuneration in respect of professional services, where such services are rendered, but also an allowance per prescription in respect of all outgoings in the form of establishment expenses.

(4) In the Table of Drug Prices the drugs and preparations, etc., are arranged in alphabetical order. Where two prices are shown opposite an item in the table (or in any supplementary table issued in pursuance of the provisions of paragraph 13 below), that in the right-hand column is the "pound" price in pence (see paragraph 10 below), by reference to which the correct charge for any quantity of the drug can be found in the ready reckoner. The price in the left-hand column is the wholesale list price of the drug upon which the adjusted "pound" price is based. The wholesale list price is given for the convenience of chemists and doctors, and in order that the chemist may be aware, in the case of a drug commonly listed by wholesale firms at different prices for different grades of quality, which grade he is required under his agreement to supply.

(5) In the case of drugs priced in wholesale lists at a higher rate per oz. than per lb., which are usually purchased by chemists by the ounce, the prices in the table have been based upon the oz. rate, though stated in the form of a price per lb.

(6) In the case of waters, decoctions, and infusions, where these are prepared from concentrated preparations the price in the left-hand corner refers to the wholesale listed price of the concentrated preparation, while the figure in the right-hand column refers to the diluted solution specified in the Table of Drug Prices as *ex concentrata*.

(7) To find, by means of the ready reckoner, the charge for any particular quantity of a particular drug, it is first necessary to ascertain from the Table of Drug Prices (or the appropriate supplementary table issued in pursuance of the provisions of paragraph 13 below) the "price per pound" of that drug. On reference to that "price per pound" in the ready reckoner, the proper charge for the particular quantity of the drug will be found in the line opposite.

(8) The prices in the ready reckoner are calculated to the nearest second decimal place of a penny, the figure in the second place being taken up where the figure in the third place is five or more, and down where four or less. The minimum price for any quantity is .01d.

(9) The intermediate quantities priced out in the ready reckoner are those which experience has shown to be most frequently ordered. The charge for any intermediate quantity not shown is to be calculated from the figures given.

(10) In order that the ready reckoner may be made applicable without undue complication to the case of both solid and liquid drugs, the prices shown in the Table of Drug Prices have been adjusted, where necessary, so as to represent the price for a "pound" of 7,000 grains or minims. Thus the price specified in the right-hand column of the table for any particular drug is always the proper price for a quantity having, in the case of both solids and liquids, an identical relation to the ounce of 480 grains or minims, the drachm of 60 grains or minims, the grain or minim, and all intermediate quantities. The line of charges shown opposite each "pound" price in the ready reckoner will therefore apply with equal accuracy to all drugs in the table at that price, whether solid or liquid. In thus adjusting the price in respect of liquid drugs, account has necessarily been taken of variations in specific gravity.

(11) In the case of pills, tablets, capsules, suppositories, and lozenges, the calculated price per dozen will be inserted in the left-hand column of the supplementary tables to be issued in pursuance of the provisions of paragraph 13 below, instead of the listed price per gross or hundred, etc. The charge for quantities of less or more than a dozen will be proportionate to the charge for a dozen. In the case of any other drugs or preparations for which a "pound" price is not shown in the supplementary tables, the charge for any quantity is to be proportionate to the price shown in the left-hand column. In both cases the charge will be calculated, where necessary, to the nearest second decimal place of a penny.

(12) In the case of drugs and varieties of scheduled appliances not specified in the Table of Drug Prices the same principles will apply. The cost price is to be obtained from a wholesale "net" price-list agreed upon locally between the Insurance Committee and the Pharmaceutical Committee and notified to the Commissioners. To obtain the ingredient charge for a particular quantity by means of the ready reckoner the price so obtained must, in the case of drugs, be adjusted, where necessary, to conform to the requirements of the ready reckoner in the manner indicated above by reducing it to terms of pence per "pound" of 7,000 grains or minims. The following formula gives the necessary adjustment required with regard to liquid drugs or preparations:

Price in pence per lb. avoirdupois \times specific gravity \times 7,000

7,680

= price in pence per "pound" of 7,000 minims.

The result thus obtained should be adjusted, if necessary, to the nearest halfpenny. In the event of any doubt arising as to the specific gravity of any particular liquid drug or preparation for the purposes of the above formula, the matter is to be referred for determination to the Pharmaceutical Society of Great Britain.

(13) The prices of drugs, etc., marked with an asterisk in the Table of Drug Prices as specially subject to fluctuation owing to the war will be fixed month by month by the Commissioners in consultation with the Pharmaceutical Society of Great Britain. The prices of any other drugs, etc., included in the Table of Drug Prices are subject to revision at any time should the Commissioners decide, after consultation with the Pharmaceutical Society of Great Britain, that, having regard to the current wholesale prices then prevailing, such revision is reasonable and necessary.

(14) Any revised prices will take effect as from the 1st day of the month in which notice thereof is given by the Commissioners to the Insurance Committee.

This is an amplification of the notes given in the Departmental Committee's Report. The table of drug prices forms Part II. of the Tariff, and fills pp. 3-6 and the greater part of p. 7, the prices actually given are either the same as in the Report or slightly higher—*e.g.*, acacie gummi pulv. was then 3s. 3d. lb., now 3s. 4d.; conf. piperis was 1s. 5d., now 1s. 6d.; and so on. The blanks are conspicuous, thus from pepsin 1s. 9d. per oz. to tr. cantharidini 5s. 6d. lb. all the articles are starred except scammon. res. 6s. lb., stramon. fol. 1s. 1d. lb., sulphur precip. 7½d. lb., and sulphur sub. 3½d. lb., hence that most contentious group of articles, tablets of synthetics, are all starred. Notes 13 and 14 explain what this means. A footnote on p. 3 says that "Unless the Insurance Committee, with the approval of the Commissioners, otherwise decide, the term 'aqua' when used in a prescription without qualification is to be interpreted to mean ordinary water except in cases in which a dangerous incompatibility would occur."

Following the list of drugs, the prices of containers come first. These are: Medicine-bottles up to 4 oz., 1½d.; 4 to 8 oz., 2d.; 8 to 10 oz., 2½d.; 10 to 12 oz., 3d.; 12 to 16 oz., 3½d.; 16 to 20 oz., 4d.; and 20 to 40 oz., 7d. These are supplied on the deposit system. The prices of poison-bottles are to be settled month by month, so also the prices of appliances, the list of which is the same as at present, without the prices. Part III. of the Tariff is the

Scale of Dispensing-fees.

| Mixtures, liniments, lotions, gargles, mouth-washes, drops, and other classes of liquid medicaments not specified in this scale required to be compounded or prepared by the chemist: | | Pence per Prescription |
|---|-----|------------------------|
| (i.) Compounded or prepared extemporaneously | ... | 2.8 |
| (ii.) Compounded or prepared in bulk [see note (a) below] | ... | 2.3 |
| Ointments, pastes, and confections | ... | 3.6 |
| Emulsions | ... | 4.0 |
| Powders, not exceeding 6 | ... | 3.2 |
| " over 6 and not exceeding 12 | ... | 4.4 |
| " each extra dozen or part of a dozen | ... | 1.2 |
| " mixed bulk | ... | 3.2 |
| Cachets, not exceeding 6 | ... | 4.4 |
| " over 6 and not exceeding 12 | ... | 5.6 |
| " each extra half-dozen or part of half-dozen | ... | 1.2 |
| Pills, not exceeding 24 | ... | 5.6 |
| " each extra two dozen or part of two dozen | ... | 1.2 |
| Plasters | ... | 6.8 |
| Blisters | ... | 4.0 |
| Suppositories, pessaries, bougies, capsules, ampoules, pastilles, lozenges, not exceeding 6 | ... | 6.8 |
| Ditto, over 6 and not exceeding 12 | ... | 8.0 |
| Ditto, each extra dozen or part of dozen | ... | 1.2 |
| Granules | ... | 10.4 |
| Tablets, not exceeding 12 | ... | 8.8 |
| " each extra dozen or part of a dozen | ... | 0.8 |
| These fees are chargeable only where the medicament is required to be compounded or prepared by the chemist. | | |
| Appliances | ... | 0.8 |
| Any solid or liquid drug or preparation ordered alone and not required to be compounded or prepared by the chemist [see note (b) below] | ... | 1.8 |

NOTES.

(a) The fee 2.3d. will apply only to such liquid preparations, not exceeding ten in all at any one time, as (i.) have, prior to the 1st January, 1916, been selected by the Panel Committee from a Formulary or special Pharmacopœia locally adopted for use in prescribing by practitioners on the panel and agreed by the Panel Committee and Pharmaceutical Committee, or failing agreement between them adjudged by the Commissioners, to be capable of being stocked in bulk without deterioration, or (ii.) may from time to time be selected for the purpose by the Panel Committee from a list agreed by the British Medical Association and the Pharmaceutical Society of Great Britain, or in default of agreement adjudged by the Commissioners, to be capable of being stocked in bulk without deterioration. The fee will take effect as regards any preparations selected from the list referred to in (ii.) above one calendar month after notice of the selection has been issued by the Panel Committee to the Insurance Committee, who will thereupon give notice to the individual chemists. The inclusion of any particular preparation in this arrangement is liable to be terminated by the Panel Committee, with the consent (which shall not be unreasonably withheld) of the Insurance Committee, as from such date as may be agreed between those Committees.

(b) The fee 1.8d. will apply (*inter alia*) to any order for any solid or liquid drug or preparation specified in the Table of Drug Prices, except where (i.) the order specially indicates that the medicament is to be compounded or prepared by the chemist, or (ii.), in the case of a powder priced in the table by weight, the order requires the medicament to be prepared by the chemist in separate doses.

Part IV. is the Ready Reckoner for calculating the prices in pence for various quantities (grains or minims). Suppose we take powdered acacia; this appears in the list at 3s. 4d. lb., and 40 pence in the third column is the datum to go by. The Ready Reckoner shows prices for 5j. to 6 gr., and on the 40 line we find (with intermediate figures)—

| | | | | | | | | |
|------|--------|------|------|------|--------|------|-------|-----|
| 5i. | 5viij. | 5vj. | 5v. | 5iv. | 5iiij. | 5ij. | 5iss. | 5j. |
| 2.74 | 2.40 | 2.06 | 1.71 | 1.37 | 1.03 | .69 | .51 | .34 |

The panel chemist is, fortunately, not to be bothered with pricing prescriptions, as that is to be done by the Insurance Committees, but we may illustrate the method with a prescription:

| | | | |
|------------------------------|-----|----------|--------|
| Acid. nitro-hydrochlor. dil. | ... | 5iij. | 0.13d. |
| *Liq. strych. hydrochlor. | ... | 5iss. | 0.29d. |
| *Spt. chloroformi | ... | 5ij. | 0.81d. |
| Inf. aurantii | ... | ad 5vij. | 1.94d. |
| Dispensing-fee | ... | | 2.80d. |
| | | | 5.97d. |

The acid is priced 5d. per lb., and it being approximately the same specific gravity as water, the datum is 5, and the Ready Reckoner line gives 0.13d. for 5iij. The next two ingredients are starred, therefore without price; we have taken the prices in the September report—viz., 2s. 1d. lb. (22½) for the liquor and 5s. lb. (47½) for the spirit, the data being lower because the sp. gr. is below water; the data lines give the prices. The infusion is to be made from the concentrated (1.7), which is 2s. 6d. lb., and the datum 4 represents the diluted preparation, of which 5vij. 5iss. is needed—i.e., 7 times .27d. plus .05d. = 1.94d. The system is simple and easy, but the Commissioners seem to be in doubt about it.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Associations' Winter Session.

Berkshire.—The Panel and Pharmaceutical Committees having again failed to agree about the application of the latter Committee for administrative expenses, the Insurance Committee on October 30 decided that the application is reasonable, and to represent strongly to the Commissioners that it be allowed. It was reported that chemists' accounts for the third quarter of the year had been paid in full, and that payments amounting to 17l. 17s. 9d. had been made in respect of war-scheduled drugs supplied to December 31, 1914.

Birmingham.—The Pharmaceutical Committee on November 1 received a report from the Chairman and Secretary on the Local Associations Conference on October 20, and, after discussion, decided to recommend panel chemists to continue service. It was resolved to apply for the insertion of a clause in the Tariff providing for the subsequent introduction of additional provisions. Panel chemists are to meet on November 24.

Blackburn.—The Clerk reported to the Insurance Committee on November 9 that, with one exception, all the chemists on the panel had accepted the emergency settlement for 1914. It was stated that during August 10,052 prescriptions (value, as checked, 283l., and average cost 6.77d.) had been dispensed. Of the August accounts rendered, 90 per cent. had been paid. The name of Boots Cash Chemists, Ltd., 10 Market Street, Darwen, was added to the panel list.

East Suffolk.—The Panel Committee has passed for press the proofs of the proposed local Pharmacopœia, and has ordered a copy to be sent to each practitioner on the panel.

East Sussex.—The Medical Benefit Sub-Committee reported to the Insurance Committee on November 2 that claims for 552l. had been received from sixty chemists for the quarter ended September 30, 1915. Twenty-six chemists had failed to send in their accounts. The Clerk stated that the usual advances would be within the amount estimated by the Commissioners as available. The Clerk also submitted particulars of the proposed arrangements with doctors and chemists for 1916.

London.—A special meeting of the Panel Committee was held on November 2 to consider the draft Medical Benefit Regulations, 1916, issued by the Commissioners (C. & D., November 6, p. 53). The Finance and General Purposes Sub-Committee recommended certain modifications of the proposed Regulations, which were adopted. A recommendation was also carried expressing the opinion that the British Medical Association should seek for certain modifications in the 1915 Tariff prior to its use as the basis for determining the amount to be transferred from the Drug Fund to the Practitioners' Fund. Representatives were appointed to meet representatives of the four statutory Committees interested in the proposed revision of doctors' and chemists' agreements for 1916 if such meeting is desired.—The Pharmaceutical Committee met on November 9, Mr. A. H. Jenkin (Chairman) presiding. Apologies for absence were received from Messrs. Wing and Morrison. A complaint was received from the Western area against a doctor who alleged inaccurate dispensing by a chemist, in particular with regard to the supply of boric lint. The Committee decided to communicate with the Insurance Committee so that the matter may be properly investigated. In reply to a letter from the Panel Committee concerning the use of abbreviations in prescribing, including "Rep. mist.," it was decided to again inform the Panel Committee that the issue of the London Insurance Pharmacopœia terminated the agreement between the two Committees, and therefore the Pharmaceutical Committee do not propose to re-open the "Rep. mist." question. The Secretary reported (a) that the Commissioners refrained from expressing an opinion on a complaint by a chemist against a doctor concerning "Rep. mist.," but drew attention to Article 11 of the Draft Regulations for 1916, which provides for the discontinuance of "Rep. mist." It was agreed to suggest that the chemist take the matter up through the C.D.A., and that the Secretary report to the next meeting; (b) that alleged infringements of the Pharmacy Act, 1908, are being investigated by the Pharmaceutical Society; (c) that the Panel Committee propose to take no action regarding earlier hours of attendance by panel doctors, leaving it open for arrangements to be made in accordance with the local requirements in each district; (d) that at September 30, 1915, there were 788 dispensing contractors (755 chemists in business and 33 in institutions) and 25 other persons on the panel, representing 1,120 premises. Various other matters which have already been reported in the C. & D. were also dealt with. The

Committee confirmed the Secretary's action in sending to the Insurance Committee a provision for insertion in the new Tariff that such additional provisions as may be agreed upon between the Insurance and Pharmaceutical Committees, and approved by the Commissioners, will be incorporated in the agreements. It was stated that many chemists are not forwarding their prescriptions in "doctor's" order sufficiently carefully. It was decided that the District Associations should take the matter up.

Sheffield.—The Secretary of the Pharmaceutical Committee (Mr. H. Antcliffe) has requested chemists who are willing to submit their books for audit, through the Local Associations Executive Committee, to forward their names to him at an early date.—There are twelve alterations in the prices of local Formulary preparations for November.—At a recent meeting of the Insurance Committee, it was reported that a letter had been received from the Secretary of the Pharmaceutical Committee, stating that the depletion in the ranks of chemists' assistants through enlistments has caused a shortage which is becoming serious, and further enlistments may interfere with the ability of panel chemists to carry out their contracts with the Insurance Committee. The Pharmaceutical Committee asked for the support of the Insurance Committee in retaining present staffs.

Somerset.—The Finance Committee reported to the Insurance Committee on October 30 that the credits under the emergency settlement for 1914 (5,875*l.*) had been more than sufficient to pay chemists' claims in full. During the quarter ended June 30, 1915, 34,291 prescriptions (value 1,071*l.*, and average cost 7*d.*) had been dispensed.

Stoke-on-Trent.—At a meeting of the North Staffs Chemists' Association, on November 4, the following communication was received from the National Insurance Commissioners approving of six of the stock mixtures selected by the Panel Committee and rejecting four:

"I am directed by the National Health Insurance Commissioners to state that in view of the disagreement between the Panel Committee and the Pharmaceutical Committee the Commissioners have given their very careful consideration to the question of whether the mixtures selected by the Panel Committee for the purpose of the revised dispensing-fees are capable of being stocked in bulk without deterioration. The mixtures in question are: (1) Mist. sodæ co., B.P.C.; (2) mist. scillæ et ipæacæ, B.P.C.; (3) mist. alba, B.P.C.; (4) mist. gent. c. sodæ, B.P.C.; (5) mist. bromidi co., B.P.C.; (6) mist. ferri arsenicalis, B.P.C.; (7) mist. bismuthi co., B.P.C.; (8) mist. ammon. c. senegæ, B.P.C.; (9) mist. pot. iod. alk., B.P.C.; (10) mist. strychn. acidæ, B.P.C. With regard to mixtures 4, 5, 7, and 8, the Commissioners desire me to state that they do not consider that mixtures prepared of the ingredients specified in the Codex under these headings and in the proportions stated are capable of being stocked in bulk without deterioration. These mixtures, therefore, cannot be included in the list of mixtures to which the clause in the Drug Tariff relating to reduced dispensing-fees is applicable. With regard to the remaining mixtures specified, I am to state that the Commissioners consider that mixtures prepared of the ingredients specified in the Codex under these headings, and in the proportions stated, are capable of being stocked in bulk without deterioration. It is assumed that the mixtures to which the reduced dispensing-fees are applied will, when stocked in bulk, not be stocked in concentrated form. This point should be made clear to the chemists in notifying them of the provisions of the clause."

The Clerk stated that one month's notice is required to be given to the chemists, and he suggested that these mixtures should come into operation on January 1. This was agreed to. Mr. Edmund Jones was proceeding to say that, although he knew the Commissioners' law was final, he still differed from the Commissioners, but the Chairman interposed that a discussion on these lines was not in order.

Yorkshire.—A meeting of the East Riding Pharmaceutical Committee was held on November 4 to consider the new Tariff and hear the Secretary's report of the Local Associations Conference. It was resolved to recommend panel chemists to accept the new conditions, but to protest that the establishment charge is too low, and that dressings and appliances should bear a fixed percentage of profit, seeing that they carry no dispensing-fee. It was decided to apply for the following additions to the 1915 Tariff: Use of distilled water, containers to be returned clean and in good condition, and the extra dispensing-fee for half-holidays and Sundays. It was also resolved to ask that the extra dispensing-fee be extended to prescriptions dispensed after 8 o'clock on each week-night.

SCOTLAND.

Falkirk.—At a meeting of the Insurance Committee on November 4, it was hinted that, in certain eventualities, chemists may not be found ready to undertake Insurance dispensing for 1916. This led a member to suggest the extension of the Munitions Act. On the recommendation of the Medical Service Sub-Committee, it was resolved to reprimand a panel practitioner for issuing certificates irregularly.

Fife.—The list of emergency drugs and appliances approved by the county Insurance Committee for use by panel practitioners includes the following: Two dozen assorted bandages as contained in the Tariff (excluding elastic web, flannel, indiarubber, and plaster of Paris), one roll unmedicated gauze, one roll picric gauze, one roll cyanide, 1 lb. boric lint, 1 lb. cotton-wool, $\frac{1}{2}$ yd. oiled silk, one spool rubber adhesive plaster (1 in. by 10 yd.) at 2*s.*, 8 oz. lysol at 1*s.*, 4 oz. 2-per-cent. iodine in S.V.R., 8 oz. acid. carbol. liq., 4 oz. chlorof. meth., 2 oz. æther. meth., 8 oz. hydrogen peroxide (10 vol.), one tube $\frac{1}{4}$ -gr. morph. sulph. (20 tabs.), one tube $\frac{1}{10}$ -gr. strychn. sulph. (20 tabs.). These are the maximum supplies for one calendar month.

Pertshire.—At a recent meeting of the Insurance Committee a member drew attention to the objections taken to repeat prescriptions, and expressed the opinion that the doing away with them is detrimental to the insured. The Chairman stated that the Central Bureau object to them, and the Clerk explained that the practice interferes with the insured person's right of free choice of chemist.

WALES.

Cardiff.—A meeting of panel chemists was held in the Angel Hotel, on November 4, to receive the report of the canvass of chemists and drug-stores in the area as to Insurance service for 1916. Mr. S. B. Eason presided over an attendance of twenty-six. It was announced that the canvass showed that 76 per cent. of the panel chemists are willing to resign from the panel. Mr. Leo Joseph and Mr. A. Hagon emphasised the main points that chemists have to face, the former pointing out that they cannot make a local bargain, as it is a national Tariff. The Chairman gave a number of cogent reasons in favour of continuing service. Messrs. Edwards and Jones also contributed to the discussion. It was ultimately decided to leave the decision as to whether they should sign for 1916 or not in the hands of the individual chemists.

Pembrokeshire.—The Finance Sub-Committee reported to a recent meeting of the Insurance Committee that the amount available for the emergency settlement of chemists' accounts for 1914 is 1,538*l.* The Clerk stated that the Pharmaceutical Committee had recommended acceptance of the settlement, and added that the deficiency would probably amount to about 100*l.* It was agreed to submit particulars to the individual chemists, and to pay the various amounts as soon as replies are received. It was resolved to pay to chemists 75 per cent. of the amounts of their accounts for the quarter ended September 30 (the lowest on record), along with the balances for the preceding quarter. The Committee will be able to pay the 1915 accounts in full. The Panel Committee forwarded a report relating to surcharges to be made on certain panel practitioners.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

SENSITISED TYPHOID VACCINE.

Mr. Tennant informed Mr. Sutton this week that sensitised vaccines for the purpose of inoculating soldiers against typhoid have been supplied by the War Office.

DENTISTS AND MILITARY SERVICE.

Mr. Raffan having asked whether dentists will be starred as men to be exempted from military service, Mr. Tennant has replied that representations to the proper authority will receive due consideration. It is not proposed that the facilities for consulting dentists shall be arbitrarily curtailed.

PURCHASE OF NITRATE OF SODA.

Mr. Acland informed Sir Archibald Williamson on Wednesday that, in order to maintain the production of food at home, the Government had purchased a certain quantity of nitrate of soda, and they are hoping to make an arrangement with importers which will be announced when it is concluded.

BRISTOL PANEL CHEMISTS.

Mr. Charles Roberts, M.P., informed Mr. King on Tuesday that the final payment in respect of Bristol chemists' Insurance dispensing accounts for 1914 is now in course of being made. The delay was due to difficulties which have been experienced locally in obtaining agreement as to the figures of certain of the accounts.

THE SUPPLY OF OPTICAL GLASS.

The Minister of Munitions has informed Sir P. Magnus, M.P., that the negotiations in regard to the supply of British-made glass for the manufacture of optical instruments are progressing satisfactorily. Arrangements have already been made for producing the maximum possible supply to meet the requirements of the Army and Navy.

CHLOROFORM AND ETHER.

For the moment (writes our Parliamentary correspondent) the position in regard to Clause 13 of the Finance Bill, which proposes the discontinuance of the Customs duties on chloral hydrate, chloroform, and ethers, remains unchanged, the Chancellor of the Exchequer not having as yet indicated his decision regarding the case laid before the Financial Secretary by British manufacturers of chloroform and ether. The Committee stage of the Bill was further discussed in the House of Commons last week, and whatever action is now taken must be upon the Report stage of the Bill.

CO-OPERATIVE SOCIETIES AND INCOME-TAX.

The Chancellor of the Exchequer has informed Sir J. Lonsdale that, in so far as co-operative societies make a profit through their trading operations with non-members, such profit is already assessable to income-tax in the hands of the recipient. The ordinary transactions of these societies resulting in a return to members of any excess purchase price that may have proved to have been paid by the members is, in fact, a mere discount on purchase and not on profit. He was unable to adopt the suggestion that the profits of these societies should be made liable to income-tax in the same way as other industrial concerns, and especially allocations of profits to reserve and capital purposes.

PHARMACISTS AND THE ARMY.

Mr. Glyn-Jones, M.P., asked the Under-Secretary of State for War in the House of Commons on Tuesday whether, in view of the limited number of persons qualified as pharmacists, and of the difficulty of providing dispensed medicines for the civil population, including insured persons under the scheme of National Health Insurance, he can now state if pharmacists are to be enlisted for service in the Army except to perform duties for which their special technical qualifications as pharmacists are needed.

Mr. Tennant replied: If a pharmacist desires to enlist in a branch of the Army other than the Royal Army Medical Corps he cannot well be refused if a vacancy exists in the branch he wishes to join. A pharmacist who wishes to join the Royal Army Medical Corps will always be accepted for this corps if a vacancy is available.

Mr. Glyn-Jones asked whether Lord Lansdowne's Committee had yet reported to the Government on this subject, and whether the Government had come to a decision in regard to the recommendations.

Mr. Tennant said he should be glad to have notice of the question.

[It may be recalled that on July 14 Mr. Glyn-Jones asked Mr. Tennant whether the War Office during the past few weeks had been engaging, as civilian dispensers in military hospitals, qualified pharmacists on the condition that they received 40s. a week, with free rations and accommodation; and whether the War Office would permit the pharmacists so engaged to enlist for the purpose of performing the same duties and receiving therefor the same emoluments as they now receive from the War Office as civilians. To this Mr. Tennant replied that if the men in question are of military age and otherwise fit to enlist, they could do so, but that they would be required to go on the ordinary R.A.M.C. rates of pay.]

On a following day (Thursday) Mr. Glyn-Jones asked Mr. Tennant whether Lord Lansdowne's Committee had reported on the question of the desirability or otherwise of depleting by enlistment the number of pharmacists available for the civilian population, and whether he can now announce the decision of the Government on the subject.

Mr. Tennant said that the list of occupations prepared by Lord Lansdowne's Committee does not include pharmacists. Pharmacists who are indispensable in civil employment should enlist under the Royal Warrant of October 20, 1915. They will be placed in the group appropriate to their age and marital condition, and can return at once to their civil occupation until their group is called up. If a pharmacist or his assistant claims that more time is still necessary, the matter is one for the local tribunal, which has the power still further to postpone the date at which he will be called up for actual military service.

Mr. Glyn-Jones asked, "Will the Government be prepared to announce what other classes the above conditions apply to?"

Mr. Tennant: "I must have notice of that."

SOUTHALL'S "MATERIA MEDICA."—A new edition of this favourite text-book will be ready on November 15.

CALVERT'S CARBOLIC TOOTH-POWDER is so frequently required during the chemist's day's work that the new minimum retail prices advertised in this issue should not be missed.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., November 11, 6.30 p.m.

A QUIETER feeling is evident in chemicals and drugs this week, particularly as regards the synthetic products, the demand for which at the present high prices continues to restrict business to current requirements. Methyl salicylate, phenazone, vanillin, guaiacol carb., potash sulphoguaiacolate, barbitone, and hydroquinone are all more or less dearer. Bichromate of potash is extremely scarce; bichromate of ammonia, soda, and chromate of soda are 1d. dearer. Tartaric acid has advanced 2d. per lb.; citric acid and cream of tartar are easier inclined. Alum is 30s. per ton higher. Epsom salt and soda hyposulphite cheaper and more plentiful. Milk-sugar is firmer. Quicksilver and opium are firm. Menthol and peppermint oil are quiet. Japanese refined camphor is rather firmer. Crude drugs' changes include an easier feeling in ergot and agar-agar. Balsam Peru is dearer. The bulk of the leading fixed oils still show a rising tendency, these including castor, cottonseed, linseed, soya, and turpentine. B.P. almond and peach-kernel oils are 1d. dearer. Canary, caraway, and cummin seed continue to advance. The principal changes are:

| Higher | Firmer | Easier | Lower |
|------------------|-------------------|------------------------|-----------------|
| Almond oil, B.P. | Ammon. sulph. | Acetyl-salicylic acid | Cream of tartar |
| Alum | Copper sulphate | Agar-agar | Epsom salt |
| Ammon. bichrom. | Cumin-seed | Citric acid | Glucose |
| Balsam Peru | Gentian | Ergot | Santonin |
| Canary-seed | Linseed oil | Lemon oil | Starches |
| Caraway-seed | Methyl salicylate | Peppermint oil (Amer.) | |
| Castor oil | (Hull) Milk-sugar | Saffron | |
| Cocoa-butter | Oxalic acid | Soda hyposulphite | |
| Cottonseed oil | Soya oil | | |
| Hydroquinone | Strychnine | | |
| Peach-kernel oil | | | |
| Phenacetin | | | |
| Phenolphthalein | | | |
| Rosin | | | |
| Soda bichromate | | | |
| Soda chromate | | | |
| Tartaric acid | | | |
| Turpentine | | | |
| Vanillin | | | |

ACETIC ACID.—Glacial appears to be practically unobtainable; the value of 80-per-cent. commercial is 85d. to 90d. per ton ex wharf.

ACETYL-SALICYLIC ACID is offered at from 45s. to 47s. 6d. per lb., and January delivery at about 42s.

AGAR-AGAR.—The spot price is easier at 3s. 1d. per lb. for No. 1 Kobe strip; c.i.f. business is quiet.

ALMOND OIL.—Sweet expressed (ol. amygd. dulc. ang.) B.P. has been advanced 1d. per lb. to 2s. 10d. and 1-cwt. lots to 2s. 9d. Peach or apricot kernel oil (ol. amygd. persic. dulc.) has also been advanced 1d. to 1s. 5d. and 1-cwt. lots to 1s. 4d. per lb.

ALUM has advanced 30s. per ton to 9l. 7s. 6d. for lump, and to 9l. 17s. 6d. for ground, ex works.

AMMONIA SULPHATE.—London is 5s. per ton dearer at 14l. 15s. per ton net, naked at works, for 25-per-cent. ammonia; Hull prompt, 24-per-cent., at 15l. 7s. 6d. to 15l. 10s.; Liverpool is 15l. 12s. 6d. to 15l. 15s., and Leith 15l. 15s. per ton in bags f.o.b., less 3½ per cent.

The President of the Board of Agriculture, with the concurrence of the Secretary for Scotland, has come to an agreement with manufacturers of sulphate of ammonia in Great Britain, who have agreed to reserve a definite proportion of their make in November and December for farmers' use. Farmers or agricultural merchants will be able to purchase sulphate of ammonia from the manufacturers for prompt cash, at not more than 14*l.* 10*s.* a ton, single bags free, free on rail at works, net cash, in lots of not less than 10 cwt. each. This price relates to sulphate of ammonia containing 20.16 per cent. of nitrogen (= 24.5 per cent. ammonia).

ANISE OIL (STAR).—Quiet, at 3*s.* 4*d.* per lb. spot for "Red Ship" brand, and at 3*s.* c.i.f.

ANISEED is steady at 40*s.* to 41*s.* per cwt. for good Spanish.

BALSAM PERU.—The parcel offering cheaply last week ex auction having been cleared at 16*s.* 6*d.*, and 17*s.* 6*d.* paid since, market closes at 18*s.* 6*d.* asked for genuine.

BARBITONE is dearer at from 52*s.* 6*d.* to 55*s.* per lb., as to seller

BICHROMATES.—Potash crystals and powder are quoted on application only. Other salts have been advanced 1*d.* per lb., and are: Ammonia (78 to 79 per cent. chronic acid), 8½*d.*; soda, powdered anhydrous (73 to 74 per cent.), 7*d.*; ditto, crystals or cake (67 to 68 per cent.), 6½*d.*; powdered chromate of soda (59 to 60 per cent.), 6¼*d.* per lb., all without engagement, 1*s.* 1*d.* per lb. has been paid for small lots of potash bichromate.

BISMUTH SUBNITRATE is offered at from 16*s.* 6*d.* to 17*s.* per lb. net as to seller.

BROMIDES.—Prices are substantially as last week, most holders asking 17*s.* 6*d.* for potassium, 14*s.* 6*d.* to 15*s.* for sodium, ammonium being very scarce.

CAMPHOR.—Japanese refined slabs on the spot offer at 1*s.* 6*d.* and to arrive at 1*s.* 5*d.* c.i.f. The exports from Japan during August amounted to 327,780 kin, valued at 287,164 yen, and for the eight months ended August 1915 the exports were 2,494,473 kin, against 1,926,352 kin in 1914 and 1,636,485 kin in 1913; the destinations were as follows:

| To | 1913 Kin | 1914 Kin | 1915 Kin |
|---------------------|-------------|-------------|-------------|
| British India ... | 605,475 | 569,828 | 552,357 |
| Great Britain ... | 108,366 | 282,486 | 279,548 |
| France ... | 41,125 | 231,939 | 448,655 |
| Germany ... | 306,724 | 289,807 | — |
| U.S.A. ... | 332,906 | 350,821 | 537,963 |
| Australia ... | 65,871 | 54,720 | 117,994 |
| Other countries ... | 176,078 | 146,831 | 257,956 |
| Kin ... | 1,636,485 | 1,926,352 | 2,494,473 |

CANARY-SEED is dearer, but quiet at 82*s.* to 85*s.* per quarter for ordinary to good Morocco.

CARAWAY-SEED is dearer again, the quotation being 62*s.* 6*d.* per cwt. for fair Dutch on the spot.

CASCARA SAGRADA.—Fair arrivals are taking place to London. New bark is obtainable at 52*s.* 6*d.* spot and two to three years old at 55*s.*; to arrive 43*s.* 6*d.* c.i.f. is quoted.

CASTOR OIL.—Good seconds Calcutta on spot (Liverpool) is quoted in cases at 6*d.* per lb. ex store, and 4½*d.* for forward shipment. Hull make of first pressing for January delivery is quoted 48*l.* 10*s.* per ton, February 47*l.* 10*s.*, and March 46*l.* 10*s.* in barrels f.o.b. Hull. Finest medicinal quality is 70*s.* per ton over the price in barrels.

CINCHONA.—At the tender of Java manufacturing-bark held at Amsterdam on November 3 the equivalent of 60,747 kilos. quinine sulphate (966,366 kilos. bark) offered, of which 43,429 kilos. (702,369 kilos. bark) were taken up by the quinine makers at the average unit of 6.20*c.* per half-kilo., being unchanged. At the auction of pharmaceutical bark, held on November 4, the equivalent of 1,695 kilos. quinine sold, the prices paid for the bark being 14½*c.* to 59½*c.* per half-kilo. The bark shipments from Java to Europe during October 1915 amounted to 1,740,565 Amst. lb., against 1,012,000 Amst. lb. in 1914. The total shipments (January-October 1915) were 9,294,185 Amst. lb., against 12,075,000 Amst. lb. in 1914, or 2,780,815 Amst. lb. less.

CINNAMON.—Ceylon assortment has been sold at 10*d.* c.i.f. for shipment due, November-December shipment being unaltered at 9½*d.* c.i.f.

CITRATE OF LIME.—During the period December 1, 1914, to May 31, 1915, the exports of citrate of lime by the Camera Agrumaria amounted to 4,515,347 kilos., against 891,161 kilos. for the corresponding period of 1914. The

destinations were as follows, the figures in parentheses being those for the corresponding period of 1913-14: United States, 1,918,697 (135,994); France, 695,803 (147,784); England, 863,642 (102,062); Germany, 207,091 (205,684); Austria, 171,966 (35,942); Italy, 658,148 (263,695). In the above shipments for the period December 1, 1914, to May 31, 1915, England was represented by six buyers, the U.S.A. four, France one, Germany two, and Austria two.

CITRIC ACID remains a dull market at from 2*s.* 11*d.* to 3*s.* per lb.

CLOVE OIL is firm at 5*s.* 3*d.* per lb. for small lots.

CLOVES.—At auction 100 bales dark to about fair Zanzibar were bought in at 8½*d.*; privately there are buyers of fair at 8*d.*; to arrive 6½*d.* c.i.f. d.w. has been paid for November-January shipment.

COCA-LEAVES.—The exports from Java to Europe during October amounted to 1,080 packages, against 700 packages in 1914, and for the ten months (January-October 1915) the exports were 17,383 packages, against 20,855 packages in 1914. At the auction held at Amsterdam on November 3, 282 packages were offered and bought in.

COCAINE.—Sellers quote hydrochloride at 13*s.* per oz., less 5 per cent.

COCOA-BUTTER.—Sales of best English have been made at 1*s.* 10*d.* per lb., with 2*s.* asked.

COD-LIVER OIL.—Our Bergen correspondent writes on November 11 that the market for finest non-congealing oil remains quite lifeless, and the quotation is nominal.

COPPER SULPHATE.—Scarce and dearer at 40*l.* per ton for the usual Liverpool brands.

CORIANDER-SEED is firm at 15*s.* 6*d.* to 16*s.* 6*d.* per cwt. for wormy to ordinary sound, and at 17*s.* to 18*s.* for fair to good Morocco.

CREOSOTE CARBONATE is offered by makers at 15*s.* per lb.

CUMIN-SEED is rather dearer at 90*s.* per cwt. for fair Morocco.

EPSOM SALT is offered freely both in London and the provinces, and it looks as if the scarcity is now over. Druggists' quality can be had at 16*s.* per cwt.

ERGOT is in easier tendency owing to more liberal offers. Russian or Spanish is obtainable at 2*s.* 3*d.* to 2*s.* 4*d.* on the spot.

FENUGREEK-SEED is steady at 11*s.* 9*d.* per cwt. for fair Morocco.

GENTIAN.—Higher freights from France make the drug worth fully 37*s.* 6*d.* to 40*s.* on the spot; cut is quoted 50*s.* per cwt.

GLUCOSE is 7½*d.* per cwt. cheaper, the usual American brands of liquid offering at 18*s.* 1½*d.*, and solid at 19*s.* to 19*s.* 9*d.*

GUAIACOL CARBONATE is almost unobtainable, the value being about 72*s.* 6*d.* per lb. Potash sulphoguaiacolate is also difficult to obtain, small lots having sold at 75*s.*

HEXAMINE is offered at from 5*s.* 3*d.* to 5*s.* 6*d.* net on spot as to quantity.

HYDROQUINONE continues to advance, from 25*s.* to 28*s.* per lb. being quoted.

INSET-FLOWERS.—The exports from Japan during the eight months ended August 31 were 901,717 kin, against 276,335 kin in 1914 and 85,364 kin in 1913.

LEMON OIL.—A Sicilian advice, dated October 30, states that there has again been practically no demand for spot goods during the past week and the market continues lifeless. Prices have again given way a fraction. Some markets seem to be getting interested in new season's oil of lemon at present ruling prices. Also locally some transactions have been closed, but in view of the low prices quoted sellers are not very willing to take engagement.

LINSEED is firm at 67*s.* 6*d.* per quarter for good quality.

MENTHOL.—Quiet, at 13*s.* 6*d.* for Kobayashi-Suzuki on the spot. The exports from Japan during August amounted to 13,626 kin, valued at 70,899 yen; for the eight months ended August 31 they were:

| | 1913 | 1914 | 1915 |
|---------|-----------|-----------|-----------|
| Kin ... | 138,383 | 226,545 | 235,467 |
| Yen ... | 1,926,290 | 1,572,254 | 1,303,131 |

The destinations during the eight months were as follows:

| To | 1913 Kin | 1914 Kin | 1915 Kin |
|-------------------|-------------|-------------|-------------|
| British India ... | 6,524 | 10,399 | 16,588 |
| Great Britain... | 39,517 | 37,049 | 47,010 |
| France ... | 21,705 | 17,829 | 37,162 |
| Germany ... | 47,077 | 82,600 | — |
| U.S.A. ... | 18,139 | 71,562 | 112,516 |
| Other countries | 5,421 | 7,106 | 22,191 |
| Kin ... | 138,383 | 226,545 | 235,467 |

METHYL SALICYLATE is dearer at from 13s. to 13s. 6d. per lb. on the spot.

MINT OIL.—Japanese dementholised is quiet but firm at 3s. 6d. spot for Kobayashi. The exports from Japan during August were 12,954 kin, valued at 26,585 yen. During the eight months ended August 31 the exports were:

| | 1913 | 1914 | 1915 |
|---------|---------|---------|---------|
| Kin ... | 180,552 | 228,714 | 270,042 |
| Yen ... | 704,986 | 696,162 | 543,461 |

OILS (FIXED).—*Linseed* is 9d. dearer at 32s. 3d. in pipes and 33s. 3d. per cwt. in barrels on spot. *Cottonseed* is 3s. 6d. dearer at 40s. for crude in pipes on spot, 6d. higher at 54s. for refined in pipes, and 1s. to 2s. higher at 38s. to 40s. for sweet refined in barrels. *Coconut* is steady at 44s. for Ceylon and 46s. to 48s. for Cochin on spot; London pressed is 1s. 9d. higher at 39s. *Rape* is unaltered at 38s. for ordinary brown crude, naked, and at 41s. to 42s. for British refined in barrels; Japan in cases is 35s. 6d. to 35s. 9d. c.i.f. for October-November shipment. *Soya* is firmer at 28s. 3d. to 28s. 6d. c.i.f. on passage for Manchurian in cases; Hull (spot) extracted is 23s. 3d. *Lagos Palm* on spot dearer at 35s. spot, and in Liverpool 33s. 6d. to 33s. 9d. is quoted. *Olive oil* firm at 52l. per tun for Levant or Spanish on spot (Liverpool). Ground *Nut* oil is 42s. to 55s. per cwt.; *Lard* oil, 46s. to 59s. 6d.; *Scal*, 28l. to 40l. per tun; *Whale*, 24l. to 38l. per tun; bright *Sperm*, 36l. to 37l. per tun; *Coal*, 27l. to 35l. per tun; *Ncatsfoot*, 3s. 3d. to 3s. 10d. per gal.

OPIMUM.—Business in Turkey druggists' is quite retail, buyers being reluctant to pay the high prices asked, the value of 11-per-cent. being 35s. per lb. Persian is firm at from 20s. to 23s. 6d. per lb. on the spot.

ORANGE OIL.—The pressings of new oil have already begun in some centres.

ORANGE-PEEL maintains its price at from 1s. 6d. to 1s. 8d. per lb. for thin Tripoli strip as to quality and seller.

PEPPERMINT OIL.—For American H.G.H. 14s. is asked, which figure has been paid.

PHENAZONE continues to advance and is very scarce; during the week business has been done at from 52s. 6d. to 57s. 6d., and to-day even 58s. has been paid.

PHENOLPHTHALEIN has advanced to 26s. per lb.

PODOPHYLLIN RESIN is quoted at 12s. 6d. per lb. for American on the spot.

POTASH.—The German Kali Syndicate reports that the decrease in turnover in pure potash in the first half of 1915 was 234,400 tons against the same period of 1914, the value declining by 2,285,000l. from 5,215,000l. to 2,930,000l. By the end of September 1915 the turnover was 550,000 tons, valued at 4,225,000l., compared with 740,000 tons, valued at 6,280,000l., for the corresponding nine months of 1914. The decrease is attributed to the cessation of business with hostile countries and the prohibition of exports to neutral countries, particularly U.S.A.

POTASH IODIDE.—The exports from Japan during August amounted to 9,373 kin, valued at 64,665 yen. During the eight months ended August the exports were:

| | 1913 | 1914 | 1915 |
|---------|---------|---------|---------|
| Kin ... | 35,437 | 46,737 | 90,646 |
| Yen ... | 204,456 | 299,912 | 684,005 |

Of crude iodine the exports in August were 756 kin, and for the eight months they were 1,941 kin, against 11,780 kin in 1914 and 9,677 kin in 1913.

QUICKSILVER.—Firm, at 16l. 15s. per bottle, and in upward tendency.

QUININE.—In spite of the Government embargo interfering with the free movement for export, there has been a slight recovery from the lowest point, business in the usual Continental brands of sulphate having been done up to 4s. 2d. per oz. The Board of Trade Returns give the following figures:

| | 1913 | 1914 | 1915 |
|--------------------------------|-----------|-----------|-----------|
| | oz. | oz. | oz. |
| Imports for October ... | 162,588 | 169,846 | 434,285 |
| " Jan.-Oct. ... | 1,974,036 | 1,515,791 | 3,749,485 |
| British-made exports, Oct. ... | 135,685 | 149,161 | 97,501 |
| " Jan.-Oct. ... | 1,190,941 | 1,170,193 | 1,634,934 |
| Foreign-made exports, Oct. ... | 6,388 | 2,298 | 383,742 |
| " Jan.-Oct. ... | 289,502 | 67,373 | 560,845 |

SAFFRON.—The new Spanish crop is reported to be a good one, and prices open lower than last year, but without apparent reason they suddenly recovered again, and to-day they stand at from about 40s. to 42s. 6d. net per lb., according to quality, but in one instance 44s. 6d. is asked for finest B.P. New crop is now landing.

SALICYLATES.—Spot parcels of salicylic acid are offered at from 17s. to 17s. 3d., and sodium-salicylate powder at 16s. 9d. to 17s. net.

SALOL is offered at from 40s. to 42s. 6d. net, according to seller and quantity.

SALTPETRE.—British refined is quoted at 44s. and powdered 46s. per cwt.

SHELLAC.—Quiet, with a small spot trade on the basis of 71s. to 72s. for fair, and good 73s.; fine orange is quoted 87s. 6d., AC Garnet 67s., and G.A.L. 63s. Futures are steady, the sales including December at 72s. 6d.

SODA HYPOSULPHITE is easier at from 17l. to 18l. per ton ex wharf London.

SODA NITRATE is firm at 14l. 10s. to 14l. 15s. per ton for ordinary and 15l. 10s. to 15l. 15s. for refined on the spot. Liverpool quotes ordinary at 14l. 5s. and refined 15l. 5s. per ton net cash.

SQUILL.—Business has been done in fair pale at 45s. per cwt.

STARCHES are lower, *pearl* offering at 13s. 7½d. and powdered at 13s. 3d. per cwt. ex wharf London.

STORAX.—Spot supplies are extremely scarce; for prompt shipment from America 1s. 6d. per lb. is quoted for U.S.P.

STRECHNINE is rather dearer at from 2s. 7d. to 2s. 8d. per oz. for the pure crystal alkaloid.

SULPHUR.—Flowers are quoted 11l. to 12l. per ton, and roll at 10l. 10s. per ton net cash, ex wharf London.

TARTARIC ACID is 2d. per lb. dearer and very scarce at 2s. 6d. on the spot, with crystals almost unobtainable.

THYMOL of British make is selling at 45s. per lb. in small lots, but owing to the large demand makers in one instance have sold their output until the end of January. For thymol ex ajowan-seed 50s. to 55s. is quoted.

TURPENTINE has rapidly risen on an active market, the advance aggregating about 4s. per cwt., closing at 45s. 6d. per cwt. for American on the spot. French is quoted 44s., and ordinary and rectified Russian is nominal.

VANILLIN.—From the Continent the higher prices of from 41s. 6d. to 44s. per lb. net is quoted by makers, as to quantity. Small lots on the spot have changed hands at below these prices.

Wahoo BARK OF ROOT can be had on the spot at 1s. 7½d. net.

WAX, BEES'.—Gambia is quoted in Liverpool at 7l. 15s. to 7l. 17s. 6d.

Arrivals of Chemicals, Drugs, etc.

During the period November 3 to 9, inclusive, the following produce has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

To London.

| | |
|----------------------------------|-----------------------------------|
| Acetic acid (N.Y.) brls. 164, | Cinnamon, quills and chips |
| (Philadelphia) brls. 67 | (Colombo) pkgs. 1,034 |
| Agar-agar (Japan) 68, (N.Y.) | Citric acid (N.Y.) kgs. 40 |
| 6 | Cochineal (L. Palmas) 14 |
| Albumen (Shanghai) cs. 154 | Cocunut oil (Colombo) pkgs. |
| Aloes (Mos. Bay) 33 | 262, (Cochin) pps. 149, hds. |
| Alumina sulph. (N.Y.) bgs. 250 | 24, brls. 297 |
| Anise (Marseilles) 24 | Cod oil (Bergen) brls. 125 |
| Anatto-seed (Jamaica) 51 | Coriander-seed (Morocco) 2,197 |
| Antimony ore (Sydney) 1,256 | Corrosive sub. (Genoa) brls. 10 |
| Apricot-kernels (Shanghai) 710, | Cream of tartar (Marseilles) |
| (N.Y.) 150 | cks. 100 |
| Arachis nut oil (Rotterdam) | Croton-seed (Colombo) 104 |
| cks. 54 | Cumin-seed (Morocco) bgs. 1,198 |
| Arrowroot (St. Vincent) brls. 30 | Essential oils (N.Y.) cs. 33, |
| Barium nitrate (N.Y.) kgs. 100 | (Amsterdam) cs. 12 |
| Barytes (Genoa, Tarragona, | Fennel-seed (Marseilles) 487 |
| etc.) bgs. 925, (N.Y.) brls. 152 | Fennugreek-seed (Morocco) 3,505 |
| Boric acid (N.Y.) brls. 260, | Formaldehyde (N.Y.) brls. 119 |
| kgs. 180 | Gelatin (France) bls. 171, (N.Y.) |
| Bromine (N.Y.) cs. 50 | 6 |
| Calcium carbide (Trondjhem) | Glucose (N. York) 3,833, |
| dms. 416, (Gothenburg) dms. | (Rotterdam) 34 |
| 1,630 | Gum copal (Macassar, etc.) |
| Camphor (Kobe) cs. 485 | bkts. 1,875, (Singapore) 715 |
| Canary-seed (Morocco) bgs. 7,593 | Gum damar (Macassar, etc.) cs. |
| Cantharides (H. Kong) cs. 20 | 1,372 |
| Caraway-seed (Rotterdam) 100 | Gums, undescribed (Mogador) |
| Carbonic acid (Rotterdam) | bgs. 155, brls. 28, (N.Y.) bls. |
| tubes 30 | 18 |
| Cardamoms (Colombo) 73 | Herbs (Genoa) bls. 190, (Japan) |
| Cascara sag. (N.Y.) bgs. 459 | bls. 50 |
| Casein (La Pallice) bgs. 447 | Hexamine (N.Y.) brls. 4 |
| Cassia lig. (H. Kong) 500, | Honey (Bordeaux) 4, (W. |
| (Marseilles) 200 | Indies) cks. 131, cs. 10, (N.Y.) |
| Cassia oil (H. Kong) cs. 10 | 25, (Havre) cks. 32 |
| Chemical prod., medicines, etc. | Indigo (Madras, etc.) cs. 420 |
| (N.Y.) pkgs. 897, (Paris) | Insect-flow. (Japan) cs. 15 |
| pkgs. 16 (Boulogne) pkgs. 108 | Iodine (Japan) cs. 8 |
| Cinn.-leaf oil (Colombo) cs. 10 | Ipecacuanha (N.Y.) bgs. 21 |
| | Kola (West Indies) 214 |

Lactic acid (Philadel.) brls. 66
Lead acetate (N.Y.) brls. 73
Lime-juice (Grenada) pns. 37,
eks. 110, (Dominica) pns. 212,
hds. 139, eks. 364, dms. 66,
pkgs. 74, (Jamaica) pns. 116,
(Trinidad) es. 12, eks. 4,
(Montserrat) pns. 25, hds. 38,
eks. 3, (St. Lucia) eks. 47
Lime oil (Dominica) es. 29, (St.
Lucia) pkgs. 11
Linsed (Morocco) bgs. 308,
(Calcutta) bgs. 9,548
Liquorice-juice (Seville) es. 30,
(Marseilles) 40
Lithopone (Rotterdam) eks. 40
Magnesite (Madras) bgs. 664
Magnes. carb. (Amsterdam) es.
100
Milk-powder (Genoa) eks. 100
Mineral waters (France) 2,300
Nux vomica (Calcutta) pkts.
229
Olive oil (Marseilles) eks. 83,
es. 182, (Malaga) brls. 13,
(Genoa) brls. 50, es. 61,
(Seville) brls. 275, es. 35
Opium (Genoa) pkgs. 44,
(Patras) es. 47, (H.-Kong) es.
10
Orange oil (Jamaica) es. 32,
eks. 3
Orris (Morocco) 93
Paraform (N.Y.) bxs. 23
Pepper, black (S. Settlements)
4,200, (Singapore, etc.) bgs.
1,081
Peppermint oil (N.Y.) es. 50
Peptogene (N.Y.) es. 48
Peptone (N.Y.) pkgs. 53
Perfumery (Dieppe) pkgs. 19
Pimento (Jamaica) 4,309
Potash iodide (Japan) es. 23
Quinine (Amsterdam) es. 189,
(Batavia) es. 113
Rape-seed (Japan) bgs. 1,182
Rape-seed oil (Japan) es. 3,000
Rhubarb (Shanghai) es. 97
Roots, barks, herbs, etc. (N.Y.)
89, (Marseilles) bls. 210
Saffron (Valencia) es. 2
Saltetre Calcutta 4,713
Sandarac (Mogador) bgs. 25,
brls. 32
Sarsaparilla (Jamaica) bls. 24,
(Colon) 13
Senna (Alexandria) 47, (P.
Said) 8
Shellac (Calcutta) 525; *button*
245
Soda hypo. (N.Y.) brls. 60,
bgs. 336
Soda salts, undescribed (Rouen)
eks. 15
Sodium (Genoa) es. 300
Soy (Japan) 100
Soya-bean oil (Kobe) 500
Storax (Paris) es. 12
Tamarinds (Calcutta) eks. 20
Tartar (Piræus) bgs. 257,
(Marseilles) eks. 71
Tartaric acid (Leghorn) eks. 42
Turmeric (Calcutta) 200
Turpentine (C. Town) bkts. 140
Valerian-root (Japan) bls. 42
Wax, bees' (Mogador) pkgs. 411,
(Jamaica) brls. 33, (Calcutta)
es. 63, (Beira) pkgs. 102
Zinc oxide (N.Y.) brls. 1,200,
(Rotterdam) 735
To Liverpool.
Albumen (China) es. 225,
(N.Y.) es. 116
Alunite (Sydney) tons 160
To Bristol.—Caraway-seed (Holland) 10; glucose (N.Y.) 300; milk-
powder (N.Y.) brls. 224; zinc oxide (N.Y.) 500. *To Folkestone.*—
Chemical prod. (France) pkgs. 28; drugs (France) pkgs. 17; per-
fumery (Boulogne) pkgs. 31. *To Grimsby.*—Chemical prod. (Dieppe)
eks. 6; colours (Dieppe) pkgs. 844; drugs (Dieppe) bgs. 13. *To*
Gool.—Farina (Rotterdam) 500. *To Hull.*—Cod oil (Aalesund) brls.
55; essential oils (Amsterdam) es. 6, chys. 1; formic acid (Rotter-
dam) chys. 60, blns. 120; glycerin (Amsterdam) dms. 225, (Shanghai)
dms. 112; glucose (N.Y.) 300; linseed (B. Ayres) tons 3,820, bgs.
50,220; milk-powder (Bergen) es. 120; peppermint oil (N.Y.) es. 5;
soya-beans (Vladivostok) tons 6,950, bgs. 30,417; zinc oxide (N.Y.)
400, (Rotterdam) 130. *To Southampton.*—Chemical prod. (Havre)
pkgs. 40; gelatin (Honfleur) es. 49.

Amsterdam Cinchona and Coca Auctions.

The dates of the auctions to be held at Amsterdam in 1916 are as follows: January 20, February 25; March 30, May 5, June 8, July 13, August 24, September 28, November 3, and December 7.

Ammon. anhyd. (Baltimore)
crts. 130
Antimony ore (B. Ayres) 1,252
Barytes (Spain) bgs. 600
Borax (W. C. S. Amer.) bgs.
1,674
Boric acid (Leghorn) 16
Camphor (Kobe) es. 10
Castor oil (Calcutta) es. 300
Chemical prod. (N.Y.) bxs. 20
Coconut oil (Colombo) pkgs.
136, (Singapore) pps. 15, pns.
20
Cream of tartar (Bordeaux)
eks. 62, (Oporto) 10, (Barce-
lona) 12
Drugs, chemicals, etc. (N.Y.)
es. 219, (Boston) es. 164
Essential oils (Catania) pkgs. 48
Fennel-seed (Syra) bgs. 340
Ground-nuts (Warri) bgs. 3,326
Gum almedina (Lisbon) 225
Gum copal (Bahia) 45
Illipie-nuts (Singapore) 5,785
Lactic acid (Boston) brls. 68
Liquorice-juice (Naples) es. 25
Magnesite ore (Narvik) tons
1,289
Milk-powder (N.Y.) bxs. 224
Olive oil (Leghorn) brls. 60, es.
315
Olive-stones, ground (Leghorn)
bgs. 300
Orchella-weed (Lisbon) 225
Palm-kernels (W.C. Africa) bgs.
11,945, (Warri) pkgs. 10,794
Palm oil (W.C. Africa) eks. 1,156
Pepton (N.Y.) crts. 10
Perfumery (Charente) es. 32
Quebracho ext. (B. Ayres) bgs.
28,000
Rape-seed oil (Kobe) dms. 145
Rhubarb (Shanghai) 15
Roots (Bahia) 14
Sal ammoniac skim. (Baltimore)
bgs. 248
Saltetre (Calcutta) bgs. 1,490
Shea-nuts (Warri) bgs. 10,541
Soda nitrate (W. C. S. America)
bgs. 41,517, eks. 5,223
Soda salts, undescribed (N.Y.)
brls. 120
Soy (H.-Kong) 50
Soya-bean oil (Kobe) dms. 125
Tale (Genoa) bgs. 304
Wax, bees' (Leghorn) 8, (Bos-
ton) 5, (Warri) 10
Zinc oxide (Rotterdam) 100
To Manchester.
Acetic acid (Rotterdam) chys.
57, (N.Y.) brls. 212
Alumina hydrate (Philadelphia)
brls. 512
Arsenic (Montreal) kgs. 90
Beta-naphthol (N.Y.) kgs. 4
Calcium acetate (Christiania)
bgs. 400
Calcium carbide (Skien) dms.
200
Dextrin (Philadelphia) 215,
(Baltimore) 1,181
Farina (Rotterdam) bgs. 4,480
Formaldehyde (Philadelphia)
brls. 70, (N.Y.) 83
Glucose (N.Y.) 1,660
Lead acetate (N.Y.) eks. 10
Oxalic acid (Fredrikstad) eks.
44
Phosphorus (Montreal) es. 275
Potash caustic (N.Y.) dms. 62
Rice starch (Rotterdam) es. 180
Soda acetate (N.Y.) brls. 137
Soda nitrate (Skien) eks. 132
Zinc oxide (N.Y.) 150

Heavy Chemicals.

Manchester, November 9.

As was predicted in the last issue of the *C. & D.*, returns of exports for the past month are, under present conditions, very satisfactory. As was to be expected, soda compounds show a decline in volume, but values on the past ten months are higher. Crude and distilled glycerin shows considerable improvement, and coal-tar products are higher. Although in quantity sulphate of copper has decreased to a marked extent, values are much higher. During the past week the movement in heavy chemicals has been well maintained, and there is little or no surplus available except on contract account. White powdered arsenic is firm at 34*l.* to 34*l.* 10*s.* per ton, delivered Manchester. Sulphate of copper remains scarce at 20*s.* to 30*s.* per ton higher on the week, say, 38*l.* to 38*l.* 10*s.* per ton, delivered Manchester. Soda and potash salts are scarcely quotable; caustic potash is nominal and not even quoted "to arrive"; oxalic acid and tartaric acid higher at 1*s.* 0*d.* and 2*s.* 4*d.* per lb. respectively; citric easier at 2*s.* 11*d.* to 3*s.*; sulphate of ammonia steady at 14*l.* 15*s.* to 14*l.* 17*s.* 6*d.* per ton, on rails Manchester.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets up to date of October 25:

AGAR-AGAR is quoted at from m.850 to m.875 per 100 kilos.

ALBUMEN is dearer on a largely increased demand. Egg is not obtainable under from m.12.50 to m.13 per kilo.; dried egg yolk is m.10 per kilo.; liquid (preserved with boric acid) is m.220 to m.225 per 100 kilos.

AMMON. CARB.—Demand has fallen off owing to the prices. It is offered in vain at m.3.90 to m.4 per kilo.

AMMON. CHLORATE.—Technical meets with a regular demand at from m.65 to m.70 per 100 kilos.

BORAX.—Demand is extremely active. Second-hands offer at from m.180 to m.185 for crystals and powdered from m.185 to m.190. *Boric Acid* is also in active demand from second-hands as makers are unable to offer.

BROMINE PREPS.—At the end of October the prices in Germany were: Bromine from m.200 to m.220, ammonium bromide from m.175 to m.210, potassium m.120 to m.150, and sodium m.150 to m.180 per 100 kilos.

CANTHARIDES are cheaper, as large quantities have been imported *via* neutral countries: m.24 per kilo. is quoted.

CASCARA SAGRADA.—The demand increased. Good old bark is offered at from m.160 to m.170.

CASSIA LIGNEA is almost cleared, the demand having been very active of late. For the small quantities offered from m.250 to m.260 is quoted for selected; from m.260 to m.270 per 100 kilos. for "extra selected"; chips for grinding are unobtainable.

CHLOROFORM is quoted at m.220 per 100 kilos.

CHRYSAROBIN is dearer at from m.28 to m.30.

CITRIC ACID met with more interest. Some parcels have been sold at from m.900 to m.950 per 100 kilos. Prices are expected to be cheaper shortly.

COD-LIVER OIL.—Non-congealing medicinal is quoted at m.330 per 100 kilos.; first natural Bergen is m.250; yellow Bergen at m.285; whale oil, No. 0 to 1, at m.320; No. 2 m.300 per 100 kilos.

GUM ACACIA.—Natural Kordofan is quoted at m.200 per 10 kilos. and better sorts at from m.205 to m.250, as to quality.

HYDROCHLORIC ACID.—Crude is very active, and the makers cannot compete with the demand as the requisite sulphuric acid has been commandeered by the Government and may not be used for this purpose. Prices have considerably advanced, and crude hydrochloric acid is quoted from m.12 to m.13 per 100 kilos. already.

IPECACUANHA has been sold at m.40 per kilo. for Rio and m.39 for Cartagena.

LEAD.—*Red* has again been advanced by m.3 per 100 kilos. to m.85. Powdered *White lead* is still quoted at m.86.50 per 100 kilos., but mixed with oil it has much advanced in price—viz., to m.116.50—on account of the high price of linseed oil.

LYCOPodium is very firm at m.675 per 100 kilos. in barrels and m.700 in cases.

MILK-SUGAR has advanced to m.145 per 100 kilos. owing to the scarcity of milk.

QUININE.—The German makers have advanced their price to m.49 per kilo.; second-hands is obtainable at from m.44 to m.45.

VANILIN.—Makers have advanced their price by m.16 per kilo.; second-hands still offer at m.95 per kilo.

WORMSEED is cheaper as large quantities have been offered *via* neutral countries; genuine monopoly is offered in vain at m.425.



Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

B.P. Tests for Acetylsalicylic Acid.

SIR.—In a recent issue of THE CHEMIST AND DRUGGIST you state that "Acetylsalicylic acid of B.P. quality is not easily obtainable," etc., from which it may be inferred that some B.P. quality is obtainable. We trust you will pardon us if we take exception to this statement. We have made most diligent research in this direction, and have carefully tested every possible make obtainable, but so far we have not found a single product that conforms with the B.P. Furthermore, our Dr. Kisber has made tests in the laboratory and in the presence of one of the most eminent analysts in this country, and has proved to him that acetylsalicylic acid according to the British Pharmacopoeia standard does not exist. In the first place the melting-point of 133-135° is higher than any of the specimens which we have examined (we refer to all makes obtainable), and in the second place it is impossible to perform the B.P. test without producing, by decomposition, traces of free salicylic acid. Therefore the hypothesis is that any acetylsalicylic acid which shows no traces of free salicylic acid is falsified. We are prepared to substantiate our claims in any reasonable manner that may be suggested, but we consider that the matter is one which should be properly ventilated now so that it may become better known that acetylsalicylic acid is not an absolutely stable body.

Yours truly,

WILLESDEN CHEMICAL WORKS.

10 Garnet Road, Willesden, N.W.

Chemists and Recruiting.

SIR.—Is it not time some definite statement was made as regards the recruiting of pharmacists? If we adopt the "wait and see" policy of the Pharmaceutical Society, we shall be unable to carry on the National Insurance Act, owing to the scarcity of qualified men, and shall be in the same position as we were regarding the Tariff when we were led to anticipate an improvement. Is there no leader in the drug-trade who will bring the matter up before the proper authorities, and that without further delay?

Yours truly,

QUALIFIED. (30/23.)

SIR.—The matter of recruiting under Lord Derby's scheme in the ranks of pharmacists is becoming very serious. It is quite evident we must now recognise that our trade will not be classed as "starred," and that all chemists of military age, either married or unmarried, are expected to offer their services under one of the forty-six classes. The consequences will be disastrous to business in general, to the Insurance Act, and also to dispensing for the dependants of soldiers and sailors. A pharmacist is quite unable, like other traders, to call in outside help (either male or female), and, unless we can enlist the services of a man who is physically unfit or over forty years of age, we must do without assistants altogether. I certainly think that if pharmacists who are in difficulties would lay their cases individually before the local Tribunal appointed in each area, they would be allowed to claim at least a working staff under the clause of "indispensable."

Yours faithfully,

Brighton.

A. J. FRANKLIN.

[In this connection we note that "Pharmacist" has written to a Bristol paper, urging that pharmacists should be "starred," as, if they are still recruited under the new scheme, the difficulties of administering the Medical Benefit of the National Insurance Act will be well-nigh insurmountable. The writer also points out that, if the pharmacists are allowed to enlist, the munition and other essential workers, who are enabled in many cases to keep on working by the aid of necessary medicine, and also the general public, will be denied the pharmaceutical service to which even in war-time they have a right. Similar expressions of opinion come from other quarters. Mr. Franklin's suggestion accords with our own in the C. & D., October 30, p. 48. We may repeat that general starring of the retail drug-trade cannot be expected, but individual cases are to be considered locally, and employers should make the necessary representations. We have already indicated that such facts as our correspondents mention have been put before the Government Departments, by representatives of the wholesale trade, several prominent and influential retailers, the Secretary of the Pharmaceutical Society, and ourselves. The special conditions of the practice of pharmacy are recognised, but anything in the nature of a general official declaration cannot be given. See also the action in Parliament, p. 54.—EDITOR C. & D.]

Insurance Dispensing.

SIR.—I am indebted to your correspondents for their support of the opinion expressed in my letter to you of October 23, and especially to the observations of "Xrayser II.," which insist upon well-reasoned and explicitly framed criticism. It is not difficult to discover faults in others, but it requires a well-established intelligence and transparent sincerity of motive to justify such discoveries by defining a constructive policy to correct the results of indicated shortcomings. I do not profess to be more than ordinarily endowed with the former virtue, but I rank second to no man in the pharmaceutical profession in my honesty of purpose and concentrated desire to secure as far as my abilities will permit the freedom of my brethren from pitfalls and financial disadvantage arising out of either collective apathy or misplaced confidence in leaders who do not evidence in their behaviour ordinary business prudence. In attempting any further treatment of policy, I am going to postulate four principles, each interdependent:

- (1) That pricing drugs at cost price is sound and satisfactory;
- (2) That remuneration for service by fees is fair and comprehensive;
- (3) That fees should be calculated upon work in a given time;
- (4) That such remuneration should not be less under the new Tariff than that provided for in the existing Tariff under conditions of full payment.

For a time let us forget the Conference, its resolutions, and their results, and start right back with the unit or individual panel chemist who is about to take a decisive and ominous step in accepting or refusing service under the recommended Tariff. He should first examine his past experience under Insurance dispensing, carefully aggregate his total dispensing over the period since he originally contracted, and reasonably suppose that it will prove in the future, with slight variation, much the same as hitherto. He will consider what 20 per cent. reduction in profits represents upon the income he has derived, and whether to continue upon such a basis of remuneration would prove expedient. He will contrast the relative profits of private and Insurance dispensing carried out under equal conditions of labour and materials. He will decide.

The point I wish to emphasise is the last mentioned—viz., "Decision." As an isolated and unsupported unit, he is menaced by conflicting and adverse influences. His neighbour—what may he do? His existing organisation for the work—must that cease? His duty to his craft in striving to continue its natural function. His altruistic instincts—will they betray him?

In the restlessness of his indecision he will grope for some tangible support, and he grasps the first object within his reach—the ancient and honourable Pharmaceutical Society, who confer on his behalf and tell him to accept the recommended Tariff, and its Executive Committee will attempt to *prove the unprovable* in order to succour him in six months from the danger of a perilous decision. He reels back with a shock of indignation and cries, "Is there not in the organisation of pharmacy a stronger hand than this to help me?" There is a heartening note in the popular American slogan, "*Get together.*" Throughout the United Kingdom we possess a well-forged weapon of defence, Pharmaceutical Committees—every area with its

accredited leaders who can weld its several units into a cohesive and comprehensive whole and by one step transform this amorphous and disintegrated community into—what? A National Federation of Pharmaceutical Committees!

"Get together!" I should think so. The North Riding of Yorks have laid the foundation of a splendid fabric. Why not reach out a hand of fellowship from every area to grip them and cling on with every masonic instinct we possess to form at last that union of pharmacists which can shape for itself the destinies of pharmacy? Now then for policy and back to the postulates:

With No. 1 the Commissioners agree.

With No. 2 the Commissioners agree.

With No. 3 the Commissioners agree.

With No. 4 the Commissioners say 20 per cent. less than hitherto.

The Federation must define the minimum remuneration. It is possible to arrive quickly at the figure to which the total remuneration should be raised by calculation as follows:

Let establishment charge be expressed E.C.

Let dispensing-fee be expressed D.F.

Then $E.C. + D.F. + \frac{D.F. + E.C.}{4} = \text{Remuneration increased 20\%}$

or $E.C. + D.F. + \frac{D.F. + E.C.}{3} = \text{Remuneration increased 25\%}$

This is a suggested basis of calculation which can be applied to the new Tariff by either the elevation of dispensing-fees and allowing the establishment charge to remain fixed at 0.8*d.*, or, if necessary, merging them into one and adding the desired factor. Therein lies the policy; the platform of our demand upon which chemists should stand as unitedly and determinedly as did the medical profession on theirs. What is more, Sir, we shall get what we want if our demand is just and equitable. Allow me to make this appeal:

Will every Secretary convene a meeting of his Committee, or, better still, of panel chemists, and endeavour to secure a unanimous resolution to join this Federation and communicate thereupon with the Secretary of the N.R. Yorks Pharmaceutical Committee, 4 Castle Road, Scarborough, their decision, together with their opinion of the minimum remuneration which they would recommend for universal acceptance, and whether they are united in their willingness to abide by the decision of the Federation Executive upon this point?

What can I say of the seven worthy gentlemen who have been elected to the present Executive Committee upon the "Establishment Charge"? Only that they are to be pitied for their misplaced temerity in accepting a mission which was foredoomed to failure. No average establishment charge will ever meet the necessities of modern pharmacy with its manifold side-lines and their arbitrarily apportioned expenses. Presently they will see this, and their resignation will enable them to direct their valuable services toward the interests of a union of pharmacists worthy their best endeavours. Yours faithfully,

Southend-on-Sea.

SYDNEY F. BODY.

A *Local Secretary and Checker* (32/17) considers that the present is an opportune moment for settling the much vexed question of "rept. mist." He quotes the draft regulations dealing with the matter (*C. & D.*, November 6, p. 49 and p. 53), and gives four reasons for discontinuance of "repeats," urging all Pharmaceutical Committees and our representatives on the various Insurance Committees to take prompt and strong action to entirely do away with "rept. mist." when signing their agreement for the coming year.

Aberdonian (23/71) draws attention to the prices allowed by Insurance Committees for dispensing-bottles and the prices which these bottles are now costing. The invoice price of dispensing-bottles which we bought in August were as under: 3- and 4-oz., 13*s.* 3*d.* gross; 6-oz., 15*s.* 6*d.*; 8-oz., 15*s.* 3*d.*. Cut poisons hexagons: 1-oz., 13*s.* 6*d.*; 2-oz., 15*s.* 6*d.*; 3-oz., 18*s.* 3*d.*; 4-oz., 18*s.* 8*d.*; 6-oz., 21*s.* 3*d.*; 8-oz., 21*s.* 9*d.*; 10-oz., 23*s.* 9*d.*. The Insurance Committee allows 1*d.* for dispensing-bottles up to 8-oz., and 1*d.* for poison-bottles up to 4-oz. Of course, these prices are a deposit to be refunded when the bottle is returned (and that is seldom), but what happens when the bottle is not returned? Bang goes 0.8*d.* [The new English Tariff gives higher prices for ordinary bottles and stars poison-bottles, so that the prices of them may be fixed monthly. The same may be done in Scotland.—EDITOR *C. & D.*]

Subscribers' Symposium.

For interchange of opinion among "*C. & D.*" readers, and brief notes on business and practical topics, especially new ideas.

Prescription Puzzle.

"I note the two solutions of the puzzle scrip. All we could make out of it was: 'Solution carbolio acid 5 gr. to $\frac{1}{2}$ oz.; (cola) strain; send 6 oz.' This was not satisfactory. I 'phoned the doctor, and he gave the correct rendering—viz., 'R Ung. ac. phenici gr. v. to $\frac{1}{2}$ oz. ung. cetacei, M.d.u.' Quite simple now."—*Chas. E. Dodsley* (Birkenhead).

Prices of Patents.

P. O. (31/45) complains about some manufacturers having put up their prices so much more than the increased duty as to reduce the old ratio of profit. He mentions Allcock's plasters which sold at 7*d.*; now the cost is 8*s.* 3*d.* per doz., which forces the full price of 9*d.* to be obtained, which gives a profit of $\frac{3}{4}$ *d.* on 9*d.*, whereas formerly it was 1*d.* on 7*d.* As the invoices usually arrive two or three days after the goods, in some cases it is quite possible to find one has been selling unprotected articles at a loss. Our correspondent states that his wholesaler charges him 28*s.* per doz. for Doan's pills, and he can obtain them retail from an opponent at 2*s.* 2*d.*

Jay Macksims

(as he writes them).

1. We are not going to be hanged, either together or separately.
2. The Government need us to carry out their National Insurance for old men and young idlers on 0.8*d.*, whereas a dispensary with qualified labour would cost them nearer 8.0*d.*,—unless they also traded.
3. The Conference did good work, but the Commissioners were up against them.
4. In 1913 we had the silent sympathy of the Government, who had been bested by the doctors. (We got a rise of prices through that in 1914.)
5. By 1915 we had lost that sympathy, and our senseless opposition to stock mixtures landed us in discounting.
6. They owe me 200*l.*, but I am not giving up; I expect to outlive our "last ditchers," and get the prices up again. It's no good being "agin the Government"—in England.

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "*The Chemist and Druggist Diary*," 1915, beginning on page 405.

W. B. (25/45).—Use of the Maltese cross for the purpose of trade is not prohibited by the Geneva Convention Act, 1914

Pilocarpine (29/71).—If the business that you refer to is in trust it must be carried on under the Widows' Clause conditions, but we presume from what you say that it is now the property of the legatee, and he, not being a registered chemist, cannot carry it on legally even with a qualified manager.

N. J. (29/28) employs a lad, to whom he pays wages. Recently the lad spoilt 10 gals. of S.V.M. by pouring 2 gals. of olive oil into it; is he liable to compensate "N. J." for the loss? [If the occurrence was an accident the lad is under no liability, but if it was the result of negligence he is liable to compensate "N. J." for the loss he has suffered. In deciding whether negligence was shown, the age of the lad and the nature of his employment must be taken into consideration. If the youth acted maliciously, he may be prosecuted and fined or imprisoned.]

M. P. S. (28/62).—You are confusing delivery with hawking. A hawker is a person who hawks goods about for sale, and it is illegal for such a person to carry dutiable medicines and sell them from door to door. It is a totally different matter for a messenger or traveller to call at houses, receive orders for dutiable medicines, and take them to the licensed premises of his principal, afterwards delivering the medicines to the customer and getting the money. This has never been objected to by the Revenue authorities. If the messenger is in the habit of carrying other goods for sale he may come under suspicion, and it was probably a case of this kind which the Excise officer had in mind when he would not commit himself. We heartily sympathise with him, for the law is quite plain about the fact that stamped medicines, like whisky, may be sold on licensed premises only, and it is common knowledge in regard to whisky that it may not be hawked for sale.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

Brownie (27/19) wants to know why the following POWDER TAKES:

| | | | | |
|---------------|-----|-----|-----|----------|
| Phenazon. | ... | ... | ... | gr. v. |
| Phenacetin. | ... | ... | ... | gr. iij. |
| Salol. | ... | ... | ... | gr. iij. |
| Caffein. alk. | ... | ... | ... | gr. iij. |

M. ft. pulv. Mitte vj.

One powder to be taken every two hours as directed.

Salol forms a damp powder with phenazone, as well as with caffeine. "*Brownie*" says he has known the powders to keep dry for months, and at other times they become caked very quickly, waxed paper having no preventive action. The explanation is that the change is intrinsic and resembles the liquefaction which takes place when camphor and phenol are mixed together, but some synthetics differ according to the maker, probably because of different final crystallising media, a trace of which adhering may assist in starting the damping or liquefying process.

W. B. (26/47).—Solution of alum is used to cut off the heat-rays of the Finsen light, and it does it with other heat-rays; but we question if it is practicable for your customer to use cloth saturated with alum or anything else (such as fire-preventing solutions) to cut off the heat, *e.g.*, of a tailor's iron. Asbestos cloth may serve his purpose.

Terrier (21/1).—POWDER FOR DRY-CLEANING DOG'S COAT.—This is magnesium carbonate *per se* or mixed with fine pine-wood sawdust. The powder is well rubbed into the dog's coat and then removed by brushing or with a coarse cloth.

F. S. L. (25/17).—DENTAL CEMENT.—The following is the method of preparing zinc oxy-phosphate cement:

(1) *The Powder*.—Hubbuck's zinc oxide 1 lb. is moistened with an aqueous or spirituous solution of boric acid 1 oz. This is packed into a covered crucible, placed in a warm place to dry the powder, and then exposed to a white heat for several hours. After cooling the crucible is broken, the vitrified zinc oxide powdered, passed through fine bolting-cloth, and bottled for use. It can be tinted by adding suitable mineral colours—*i.e.*, cobalt blue, cadmium sulphide, yellow ochre, sienna.

(2) *The Liquid*:

| | | | |
|-------------------------|-----|-----|----------|
| Zinc phosphate | ... | ... | 1 part |
| Glacial phosphoric acid | ... | ... | 20 parts |
| Distilled water | ... | ... | 10 parts |

All by weight. Place the ingredients in a glass-stoppered bottle and set aside in a moderately warm place until solution is complete. The acid liquid is then filtered through glass-wool until its runs perfectly clear. It is then transferred to small, dry bottles and tightly corked. The strength of the solution sometimes needs adjusting either by concentrating on a water-bath or by the addition of a small quantity of distilled water, depending upon whether the cement sets too quickly or too slowly when mixed with the zinc powder.

H. F. M. (16/54).—DRY-CLEANING COMPOUND.—This bears a resemblance to some of the compounds offered as rubber substitutes, and appears to be made of glue, glycerin, and water, with which a solution of rubber in benzene has been incorporated. You may be able to adjust the quantities after a few experiments.

T. A. (30/37).—DENTAL LOCAL ANÆSTHETIC.—The following is a representative formula, but care must be exercised in obtaining aseptic conditions and maintaining the sterility of the solution:

| | | | |
|------------------------------|-----|-----|---------|
| Cocaine or novocaine | ... | ... | gr. v. |
| Sodium chloride | ... | ... | gr. iv. |
| Solution of thymol (1 in 10) | ... | ... | mj. |
| Sterilised distilled water | ... | ... | 3j. |

Mix and add 20 minims of adrenalin solution if required. Fifteen minims and not more than 30 minims to be used at one operation.

Curc (258/70).—FISH-COLOUR.—This appears to be a preparation of annatto, which is commonly employed for colouring both dried fish and the fat in which fish is fried.

Belfast (27/36).—(1) ROUP-POWDER FOR FOWLS:

| | | | |
|--------------------|-----|-----|----------|
| Potassium nitrate | ... | ... | 1 part |
| Powdered cubebs | ... | ... | 1 part |
| Powdered linseed | ... | ... | 10 parts |
| Powdered liquorice | ... | ... | 4 parts |

Mix. A tablespoonful with the food for ten fowls.

(2) DIARRHŒA-POWDER FOR FOWLS:

| | | | |
|-----------------------|-----|-----|----------|
| Powdered chalk | ... | ... | 10 parts |
| Powdered black pepper | ... | ... | 1 part |
| Powdered liquorice | ... | ... | 4 parts |

Mix. A tablespoonful to be mixed with the food for ten fowls once a day.

Lancs (12/36).—EPILEPSY-POWDER.—This is a mixture of sodium and strontium bromide. You do not say the origin of the powder, but, according to evidence given before the Select Committee on Patent Medicines, a powder of similar composition is sold under the name of "Coronium bromide."

T. A. (31/9). *T. H. P.* (13/9), and *Lancashire* (32/17).—COAL-ECONOMISING POWDERS.—The following is a formula for a powder which, it is alleged, economises fuel upon which it is sprinkled:

| | | | |
|-------------------|-----|-----|---------|
| Potassium nitrate | ... | ... | 100 lb. |
| Ammonium chloride | ... | ... | 12 lb. |
| Lampblack | ... | ... | 8 lb. |

Mix. Pack in tins of 6 to 8 oz. each, the contents to be dissolved in about 14 gals. of water and then syringed over about 1 ton of coal.

Some years ago a correspondent reported that careful trial of this powder convinced him that not only did it not economise the coal, but that, taking into account the cost of the powder, the price of the fuel used was enhanced. Other specimens of coal "savers" which we have examined consisted of salt variously disguised, but so far as we are aware no trustworthy evidence has been adduced that the claims made on behalf of these powders are well founded.

R. W. H. (27/19).—SOFTENING SKINS OF ANIMALS.—The application of deliquescent or saturated solution of ammonium chloride is recommended as the best softening agent for animal skins. When the required degree of softness has been reached the usual currying processes of the leather-maker are employed to retain the suppleness permanently.

H. K. W. (22/16).—PREVENTING FROST-BITE IN THE TRENCHES.—The use of grease on the feet is the best mechanical means of preventing the effect of prolonged cold and wet on the feet. As you are aware, it has been found that a good proportion of the cases of "trench-feet" was caused by tight boots and puttees, and that steps have been taken to prevent a recurrence of the gangrenous effects due to improper clothing of the feet and legs.

Zylon (15/22).—We have not heard of the pig-powders to which you refer. Are they not a local proprietary article?

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1865.

Gossip.

A very promising bismuth mine in Spencer's Gulf, South Australia, is now being vigorously worked, and is likely to prove very valuable.

Mr. Edwin Roberts has purchased from his brother, Mr. George Roberts, chemist, West Bromwich, the branch business at Madeley, Salop, which he has managed for the last ten months.

The Birmingham Chamber of Commerce have appointed a provisional committee to arrange the rules of a National Association for the protection of British Trade-marks, and to promote the enactment of a law to provide for the registration of trade-marks in England.

At a meeting of the Chemical Society, held on the 2nd instant, Mr. W. Tilden, of the Pharmaceutical Society's Laboratory, was formally admitted a Fellow of the Society, and Mr. James Parkinson, Royal School of Mines, and Mr. Frederick Rowe, Colchester, were balloted for and duly elected as Fellows. [Sir William Tilden and Mr. Parkinson are still Fellows in 1915, the latter being in Adelaide, South Australia.—EDITOR.]

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Oxymel Scillæ, B.P., 5 cwt. @ 36/- cwt.; 1 cwt. @ 40/6 cwt.; *7 lbs. @ 7½d. lb.

Papain, 1-80, 1 oz. @ 2/8 oz.
Paraffinum Durum, B.P., 2 cwt. @ 3½d. lb.; 1 cwt. @ 3½d. lb.; 56 lbs. @ 3½d. lb.; 7 lbs. @ 4½d. lb.; **Molle Flav.**, B.P., 3½ cwt. @ 23/6 cwt.; 1 cwt. @ 33/- cwt.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 5d. lb.; **Alb.** B.P., 3½ cwt. @ 66/- cwt.; 28 lbs. @ 9d. lb.

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Pepsin, B.P., 1 lb. @ 12/- lb.
Phenacetin, P.B., pulv., 1 lb. @ 56/- lb.
Phenazone, P.B., 1 lb. @ 50/- lb.
Phenolphthalein, 1 lb. @ 28/6 lb.
Pix, Burgund., Druggists', 1½ cwt. @ 26/6 cwt.; 7 lbs. @ 4½d. lb.

Plumbi Acetas, Druggists', 1 cwt. @ 76/- cwt.; 7 lbs. @ 9d. lb.; Powder, 1½d. lb. extra.
Podophyll. Resina, P.B., 1 lb. @ 15/6 lb.
Potassa Caustica Sticks, P.B., 1-lb. Eots. @ 5/6 lb.

Potas. Acetas, Gran. P.B., 28 lbs. @ 2/11 lb.; 7 lbs. @ 3/- lb.

Potas. Bicarb. Pulv., 4 lbs. @ 1/9 lb.
Potass. Brom. P.B., 7 lbs. @ 16/- lb.
Potass. Chlor. Pulv., 7 lbs. @ 1/10 lb.
Potass. Cit. B.P., 7 lbs. @ 7/- lb.
Potass. Cyanidum, 98%, 7 lbs. @ 7/- lb.
Potass. Iod., P.B., 14 lbs. @ 15/- lb.; 3 lbs. @ 16/- lb.

Potass. Metabisulph., 7 lbs. @ 1/4 lb.
Potass. Permang., Cryst., 7 lbs. @ 2/- lb.; large cryst., 7 lbs. @ 3/6 lb.

Potass. Prussias Flav., 7 lbs. @ 3/2 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 8d. lb.; c. Opio, B.P., 7 lbs. @ 2/2 lb.

Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 6/6 cwt.

Pulv. Ipecac. Comp. P.B., 1 lb. @ 5/9 lb.
" **Jalap Comp.** P.B., 1 lb. @ 2/1 lb.
" **Rhei Comp.** P.B., 1 lb. @ 1/6 lb.

Quassia Chips, 1 cwt. @ 32/- cwt.; 28 lbs. @ 4d. lb.

Quinina Bisulph., 25 oz. @ oz.; 10 oz. @ oz.

Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.

Quinine Hydrobromas, B.P., 25 oz. @ oz.; 10 oz. @ oz.

Quinine Hydrochlor., B.P., 25 ozs. @ oz.; 10 ozs. @ oz.

Quinine Sulph., B.P., 100 oz. @ oz.; 25 oz. @ oz.; 10 oz. @ oz.

Rad. Gentian, English Ground, 1 cwt. @ 56/6 cwt.; 7 lbs. @ 7d. lb.

Rad. Glycyrrh. English Ground, 1 cwt. @ 45/- cwt.; 7 lbs. @ 5½d. lb.

Rad. Ipecac. Rio, 7 lbs. @ 18/- lb.; 1 lb. @ 18/6.

Rad. Jalap. English Ground, 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/8 lb.

Rad. Rhei, E.L., English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.

Rad. Rhei, E.L. Immed., 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.

Resorcin, B.P., 1 lb. @ 50/- lb.

Saccharine, 7 lbs. @ 75/6 lb.; .550 or .500 1 lb. @ 77/6 lb.

Sacchar. Ust., 1 cwt. @ 42/- cwt.; 10 lbs. @ 5½d. lb.

Saffron Valeriana, B.P., 7 lbs. @ 42/6 lb.; 1 lb. @ 44/- lb.; 1 oz. @ 3/1 oz.

Sal. Acetos., 7 lbs. @ 1/5 lb.

Salicinum, B.P., 1 lb. @ 22/6 lb.

Salol, B.P., 1 lb. @ 37/6 lb.

Sang. Draconis, pulv., English Ground, 7 lbs. @ 2/6 lb.

Santonium, P.B., 16 oz. @ 165/- lb.

Sapo Cast. Alb., 10 cwt. @ 37/6 cwt.; 2 cwt. @ 37/6 cwt.; 7 lbs. @ 5½d. lb.; pulv., 1 cwt. @ 82/- cwt.; 56 lbs. @ 85/- cwt.; 7 lbs. @ 10d. lb.; Animal pulv., 1 cwt. @ 70/- cwt.; 56 lbs. @ 72/- cwt.; 7 lbs. @ 9d. lb.

Scammony Resin, Pulv., B.P., 7 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.

Shellac (Orange), 1½ cwt. @ 78/6 cwt.; 7 lbs. @ 9½d. lb.

Soda Caustica, 28 lb. tins @ 1/2 lb.; 6 1-lb. tins @ 1/4 lb.

Soda Cit., B.P., 3 lbs. @ 4/4 lb.

Soda Sulphite, Recryst., 1 cwt. @ 21/6 cwt.; 7 lbs. @ 4d. lb.

Soda Sulphocarbolas, B.P., 7 lbs. @ 2/4 lb.; 1 lb. @ 2/8 lb.

Sodii Bromid., P.B., 7 lbs. @ 16/6 lb.

Soda Hyposulphite, pea cryst., 1 cwt. @ 25/6 cwt.

Sodii Salicyl. Pulv., 2 lbs. @ 18/- lb.

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" **Benzoini**, Comp., P.B., 5 lbs. @ 4/2 lb. Aquos, 1/2 lb.

" **Cantharidis**, P.B., 5 lbs. @ 4/6 lb. Aquos, 11d. lb.

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" **Card. Comp.**, P.B., 5 lbs. @ 2/6 lb. Aquos, 1/1 lb.

" **Catechu**, P.B., 5 lbs. @ 2/10 lb. Aquos, 1/1 lb.

" **Chlorof. c. Morpb.**, P.B., 1885, 5 lbs. @ 2/3 lb.

" **Cinchon. Comp.**, B.P., 5 lbs. @ 3/5 lb.; bond, 1/0½ lb. Aquos, 1/3 lb.

" **Cinchon. Rub.**, P.B., 5 lbs. @ 3/4 lb. Aquos, 1/3 lb.

" **Digitalis**, B.P., 5 lbs. @ 3/10 lb. Aquos, 1/1 lb.

" **Gelsem.**, P.B., 5 lbs. @ 3/3 lb. Aquos, 1/4 lb.

" **Gentianæ Comp.**, B.P., 5 lbs. @ 2/3½ lb. Aquos, 1/1 lb.

" **Hyoscyam.**, B.P., 5 lbs. @ 4/6 lb. Aquos, 1/10 lb.

" **Iodi.**, B.P., 5 lbs. @ 5/1 lb.; Fort. @ 6/7 lb.; decolr., 5 lbs. @ 5/3 lb.

" **Lavandulæ Comp.**, B.P., 5 lbs. @ 4/5 lb. Aquos, 1/1 lb.

" **Myrrhæ**, B.P., 5 lbs. @ 4/3 lb.

" **Nucis Vom.**, B.P., 5 lbs. @ 3/4 lb. Aquos, 1/3 lb.

" **Op.**, B.P., 5 lbs. @ 5/9 lb.

" **Op.** Aquos, 5 lbs. @ 3/3 lb.

" **Quinina Amm.**, B.P., 5 lbs. @ 4/- lb.

" **Rhei Co.**, B.P., 5 lbs. @ 2/3½ lb. Aquos, 1/1 lb.

" **Scillæ**, B.P., 5 lbs. @ 2/9 lb. Aquos, 11d. lb.

" **Senegæ**, P.B., 5 lbs. @ 3/6 lb. Aquos, 1/6½ lb.

" **Strophanth.**, P.B., 5 lbs. @ 4/1 lb.

" **Valerianæ**, 5 lbs. @ 3/3 lb. Aquos, 1/2 lb.

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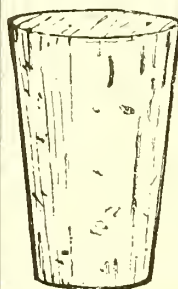
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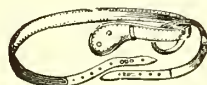
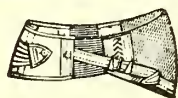
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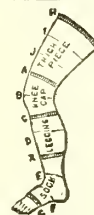
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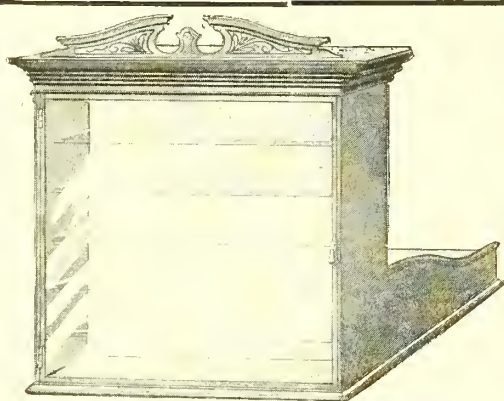
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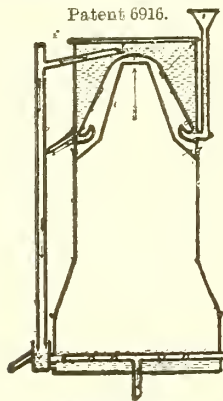
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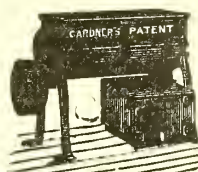
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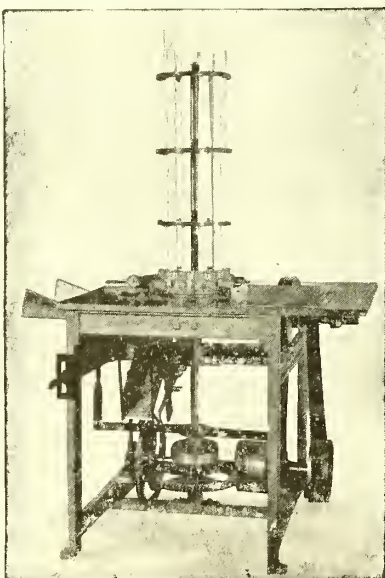
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Mr. SLATTERY, Chemist, Castlepollard, writes: "A rat was sent by post to me weighing about 3 $\frac{1}{2}$ lbs. I had it exhibited in my window, preserved with Formalin. I have great praise of your 'Rodine' Rat Poison."

RAT WEIGHS 3 $\frac{1}{2}$ lbs.

AN IRISH MERCHANT writes: "Please send me 'Rodine' per return for the destruction of 'BIG' RATS by which my place is infested at present. 'Rodine' is most beneficial."

All rats—big or little—get their final exit when "Rodine" is used. "Rodine" is a most profitable sideline to Chemists.

HARLEY, Manufacturing Chemists, PERTH, Scotland.

EXPORT AGENTS:

TOZER, KEMSLEY & FISHER, Ltd.,
84 Fenchurch Street, London, E.C.



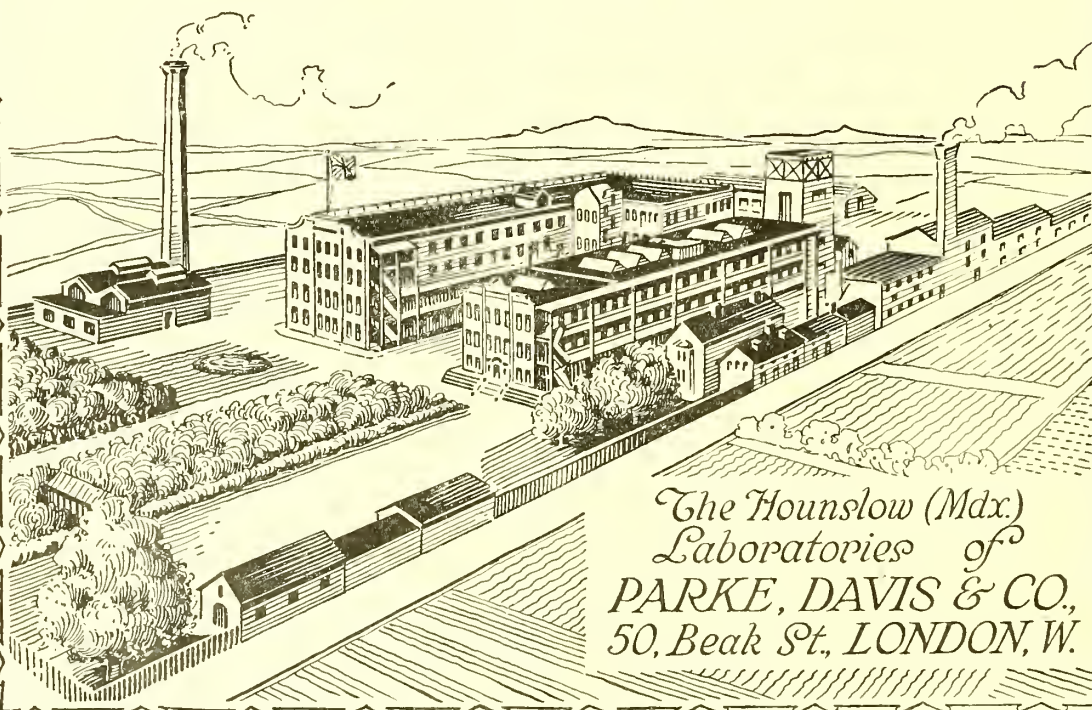
Pharmacists' Difficulties— and a Solution

¶ In the putting up of stock, Pharmacists are to-day confronted with interminable difficulties: pressure of work, shortness of help, scarcity of bottles, containers and other supplies. Moreover, the increased medicine stamp duty tends to diminish the sale of stamped proprietaries.

¶ If relief is sought in "own-name" goods, it will be found (1) that to secure good terms there must be a considerable investment in stock and advertising matter; (2) that there is bound to be more delay in the delivery of goods which have to be specially put up than with goods already in stock; and (3) that the same articles may be sold by other chemists at cut rates.

¶ The simplest and most profitable plan is to adopt protected lines of a house of repute. The P., D. & Co. P.A.T.A. preparations provide a much higher rate of profit than is usual with protected articles. Bonus in return for a display is allowed on certain quantities of most of the **Euthymol Preparations, 33% Cod Liver Oil Emulsion, 33% Petroleum Emulsion, Capsolin, Inhalone and Mentholated Bronchial Lozenges.**

If you do not already stock all of these preparations, write now for full particulars.



*The Hounslow (Mdx.)
Laboratories of
PARKE, DAVIS & CO.,
50, Beak St., LONDON, W.*

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 13, 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary a telephone or telegraph an urgent announcement this may be done.

PROVIDED THE MONEY IS TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

← That is what advertisers in
The Chemist and Druggist
Supplement secure. Not in-
definite returns from spasmodic and inflated
circulation, but regular, steady success—the
best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—BY ORDER OF THE TRUSTEE.—For Disposal, good-class Retail and Dispensing Business, situate in close proximity to busy City Railway Station; returns £2,500, present rate less; offers wanted for lease and goodwill; stock and fixtures at valuation.

2.—BLACKHEATH (Near).—Good middle-class Retail and Dispensing Business, returning between £850 and £900, and yielding a net profit of about £245 average; rent £60, including comfortable residence, with private entrance; double-fronted shop, well fitted and fully stocked; could be considerably increased by proper attention.

3.—LONDON, N.W.—Family Retail and Dispensing Business, well established; returns £1,500; net profit between £400 and £450; substantially fitted and well stocked; valuation terms entertained.

4.—CHELSEA.—Middle-class Retail and Dispensing Business; returns over £1,300, at very profitable prices; large shop, nicely fitted and well stocked, with very good house attached; offer wanted.

5.—PUTNEY (Near).—To be sacrificed for £50 goodwill and valuation of stock and fixtures, an excellent Retail and Dispensing Business, giving a clear yearly income of £350; returns show a steady increase throughout; new lease will be granted; double-fronted shop, well fitted and stocked, and in market place.

6.—EPPING FOREST (Near).—Vendor will accept £500 or reasonable offer for early release; ready-money Business, including N.H.I. Dispensing; gross profit £300 per annum; scope for development under personal supervision.

7.—LONDON, N. (Main Business Thoroughfare).—Price £500; returns £650; gross profit £334; 6-roomed house; rent £65, sublet £24; held on lease; trams and buses pass the door.

8.—LINCS.—Country Retail, Dispensing, and Agricultural, with own Proprietaries in good demand; returns about £1,325, with net profit £300; fine, bold, double-fronted shop; terms, valuation of stock and fixtures and small premium for goodwill; part payment.

9.—SUSSEX (In the Heart of the Country).—Good-class Retail Business, very old-established; returns between £825 and £850; net profit £300 (proof given); comfortable residence, with small garden; no serious opposition; worth attention.

10.—MANUFACTURING TOWN (North of England).—Cash Retail, with excellent Optical connection; returns show a steady increase, last year being £1,380; net profit £580; terms, valuation of stock and fixtures and sum for goodwill.

11.—BRISTOL CHANNEL (Seaport).—Middle-class Retail trade; well situated in one of the main thoroughfares; returns exceed £1,400; well-fitted Pharmacy and good house; terms, valuation of stock and fixtures.

12.—MAIN LINE OF RAIL (Within 75 Miles of London).—Very old-established Business; present hands since 1840; returns £2,000; net profit about £600; terms, goodwill £300, stock and fixtures at valuation; premises may be purchased if desired.

13.—BRISTOL (Near).—At valuation of stock and fixtures only; Mixed Business, giving net profit of about £200 per annum; rent £21 yearly, including good residence, with garden stocked with fruit trees; part payment entertained.

14.—YORKS (Large Town).—Good-class Retail and Dispensing Business (N.H.I.); returning £1,050, at very profitable prices; rent £19 10s., which includes residence; price £650, about the value of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,000 returns.—YORKS.—Middle and working class Retail; net profit £350; low rent; price £650.

£1,000 returns.—LONDON.—Dispensing, high-class Retail; increasing returns; ample scope for the addition of Dentistry, Optics, or Photo; bargain; price £400.

£1,100 returns.—NORTHANTS.—Good market town, nice-class Retail Business, increasing; good house; rent moderate on lease; price £750.

£600 returns.—DERBY.—Death vacancy; Prescribing and Light Retail; unlimited scope for N.H.I.; value of stock and fixtures, about £300; open to offer.

£650 returns.—KENT.—Good-class Retail; net profit £200; price £250.

We have cash Buyers for businesses from
£500 to £5,000.

Valuations conducted upon the shortest notice
at moderate fees.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—HOME COUNTY (35 Miles Out).—First-class Dispensing and Retail Business in most desirable town; returns £1,200; excellent profits; plenty of scope; good house, etc.; price £700, or £100 and valuation; personally recommended.

2.—YORKS (West Riding).—Middle-class Business in large Manufacturing town; returns over £1,000; net profit £350; very low rent; good premises, pleasantly situated; price £650, little more than valuation.

3.—Lincs (Market Town).—Light Family Retail Business, with own Specialities; returns about £1,350, increasing; large double-fronted shop, well fitted and stocked; low rent; price £900.

4.—CHESHIRE (Border of).—Light Retail, Dispensing, and Agricultural Business in small town; returns about £1,200; net profit £300; double-fronted shop, fully stocked; price £650.

5.—WILTS.—Unopposed Light Country Retail, with Mineral Waters; returns £1,200; net profit £300 clear; large house and garden; stock worth £650; price £700.

6.—NORFOLK.—Good-class Business, in large town; neglected; returns £800; plenty of scope; corner position; low rent; price £350; £100 can remain; strongly recommended.

7.—WEST MIDDLESEX.—Good-class Retail and Dispensing Business; returns over £1,100; net profit £400; fine position; low rent; well fitted and stocked; price £750; worth attention.

8.—SURREY (Suburb).—Good-class Light Family Retail, pleasantly situated; returns £1,450; good profits; attractive Pharmacy, fully stocked; price £850, or valuation terms; books properly kept.

9.—LONDON (Western Suburb).—Sound Light Retail, with valuable appointment; returns £1,260; net profit £350; good position; excellent stock; price £550, or valuation.

10.—NORTH LONDON.—Cash Retail, Prescribing, and Dispensing; no immediate opposition; returns £1,036; net profit £350; modern Pharmacy, well stocked; price £500.

STOCKTAKINGS.

We undertake stocktakings on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.

Businesses Wanted. Buyers Waiting.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

50 years' experience in every branch of business.

Recommended by—

BRITISH DRUG HOUSES, LTD.

MEGGESON & CO., LTD.

BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W. Ph C. Tel. No. Victoria 27.

IN centre of large South Coast winter resort; old-established, well-fitted, double-fronted Pharmacy; Dispensing and Retail; returns £1,700; good prices; 3,000 new scrips; house can be let off if desired; price £150 and valuation.

GOOD thoroughfare, Paddington; old-established Retail and Dispensing; 1,500 new scrips; returns yearly increasing, now considerably over £1,200; good Proprietaries; rent £80, reduced during war to £70; house can be readily let off; price £150 and valuation; vendor anticipates early enrolment.

CORNER site, leading thoroughfare, E.C. district; old-established Cash Retail; returns £1,200; rent £200; four floors, two rooms each, can be let off; shop well fitted and fully stocked; price £500.

HANDSOME Shop in good district, West London; bus route and near underground station; fully stocked and well fitted; returns over £1,000; house let off, three flats, to cover whole of rent, £100; vendor has other engagements and will accept £500, which is less than value of stock and fixtures.

All the above are open to fullest investigation.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BROSELEY, SHROPSHIRE.—Chemist's Business, old-established, to be had at Christmas; no charge in-going; manufacturing town and large area of agricultural district; no opposition in town; National Insurance Dispensing; good bargain and opportunity for energetic Chemist; satisfactory reasons for this unique offer. Apply, Exley & Sons, Broseley, Shropshire.

DOVER.—Drug and Cattle Medicine Stores; main thoroughfare; established 1842; modern shop and fittings; splendid chance for unqualified lady or gentleman. For full particulars apply, A. White, Estate Agent and Valuer, 7 Folkestone Road, Dover.

LANCS (Popular Seaside Resort).—Exceptional opportunity for acquiring a sound Business at a very moderate figure; handsomely fitted, well stocked; occupies a commanding corner position; turnover £720 (increasing); exceptional profits; easy rent. Apply, 55/32, Office of this Paper.

LANCASHIRE.—Offers solicited for Retail Business, showing a gross profit of £7 10s. weekly during 1915; easily worked; good reason for disposal; scope for big increase; moderate rent on lease; best position; good prices; well established; well stocked. Apply, 57/1, Office of this Paper.

LIVERPOOL District.—A sound, old-established Cash Retail for Sale; Dispensing, Prescribing, and Proprietaries; excellent profits; few Patents; corner shop on busy main road; cars stop opposite; returns (increasing) about £30 weekly under manager; scope for Photography, Dentistry, and Optics; this is an exceptional opportunity; bankers' references. For particulars, 58/38, Office of this Paper.

LONDON, S.E.—For immediate Sale through death of Proprietor, Family and Dispensing Business, unopposed, in thickly populated neighbourhood near main road; splendid opening for young energetic man; good scope for Dentistry and Optics; established 1851, same hands 54 years; price for goodwill, stock, etc., £100. Apply to "Widow," 61 Peckham Park Road, London, S.E.

LONDON, S.W.—Profitable middle-class, Cash Business; well situated; returns under manager £700; will soon do £1,000 in the hands of a principal; moderate rental; convenient premises; well stocked; price £275, or first reasonable offer; rare opportunity for smart man. Apply, "Sound" (60/19), Office of this Paper.

LONDON, S.W.—Large corner Shop, best position main road; established 60 years; handsomely fitted and well stocked; turnover £1,500 under management; rent £80 (£55 let off); owner going on active service; this is an exceptional opportunity; price £800; part could remain; good introduction and trial given; every investigation courted. "Urgent" (60/20), Office of this Paper.

MIDDLESEX.—Good-class Family Retail in pretty residential district; established nearly 11 years; proprietorship unchanged; returns average £860; can be increased; net profit £255; value's report can be seen; rent £60 on lease; excellent house, side entrance; Pharmacy, double-fronted, mahogany fitted, well stocked; price £500 net cash. 45/11, Office of this Paper.

MIDLAND Town.—Old-established Mixed Business; good corner position; same hands nearly 40 years; rather neglected of late; fixtures and stock (reduced) at valuation. Apply, 55/27, Office of this Paper.

NEAR London.—Good-class Retail and Dispensing Business for Disposal; owner, who is a Dental-Chemist, is finding it impossible to carry on the dual business owing to lack of assistance; returns for Pharmacy alone last year £800; rent £50, lease; business thoroughly genuine, and every investigation courted; price 500. 58/2, Office of this Paper.

NOTTINGHAM.—Rare opportunity, owing to labour scarcity; well-established Retail Business, with excellent prospect of improvement; shows £5 weekly profit; price £250, or arrangement to suit client; good house and garden. 57/6, Office of this Paper.

SURREY.—Unopposed Light Country Retail; returns last year over £800 at good prices, and mainly cash; books kept; rent £32, on lease; scope for extension; price, valuation of stock and fixtures. W. W. Thomas, Chemist, Knaphill, near Woking.

AN ideal unopposed Business for immediate Sale in Yorkshire: turnover averages over £11 per week, and gross profit is over 40 per cent., proof given; 10s. per week covers rent and rates, including large convenient house; well stocked and fitted; will accept £250 or valuation for immediate sale; owner buying larger. "Ri" (55/19), Office of this Paper.

CHEMIST'S Business for Sale in populous industrial district; modern shop, fitted throughout mahogany and plate-glass; recess labelled shop rounds; altogether smart, up-to-date premises in business centre; reasons for disposal, managing partner considers it his duty to join Army; every detail will be shown to prospective buyer. Apply, E. Griffiths, Chemist, Pontardawe.

THROUGH owner enlisting a fine opportunity is offered to Chemists looking for a first-class investment; well-fitted shop; new modern stock, well selected; electric light; Photography only side-line worked; turnover £1,400, all cash; every investigation courted, and satisfaction guaranteed; capital required about £800. 55/20, Office of this Paper.

SALES BY AUCTION.

GRANTHAM, NOVEMBER 16.

ESCRITT & BARRELL have received instructions from the administrator of the late Mr. W. W. Simpson, Chemist and Druggist, 31 Westgate, Grantham, to **SELL by AUCTION** the whole of the comprehensive Stock-in-Trade, also the trade Fixtures and Fittings, on **TUESDAY, NOVEMBER 16, 1915.**

Bills giving summary particulars may be had of the Auctioneers, Elmer House, Grantham, Lincolnshire.

TENDERS.

COUNTY BOROUGH OF SALFORD.

DRUGS, Medical and Surgical Appliances.—Tenders are invited for the supply of the above-mentioned articles. Full particulars from the Medical Superintendent, Ladywell Sanatorium, Eccles New Road, Pendleton.

EDMONTON UNION.

TENDERS for Lint.—The Guardians invite tenders for the delivery to Edmonton Military Hospital of 15 or 30 cwt. of Boric Lint and 10 or 20 cwt. of White Lint. Tenders must reach me before 9 a.m. on the 15th November. F. Shelton, Clerk, White Hart Lane, Tottenham.

TO LET.

LONDON Office.—Your London West-End office (in Oxford Street) for £10 yearly, Taxes, Light, and Attendance included. For further information write or call on Mr. Westerborg; 62 Oxford Street, W.

WESTCLIFF.—Shops to Let; ideal site for Chemist or Dispensary; main road; "central" corner, facing tram stopping place; rents only £32, £24, and £18. Owner, 1 Clifton Drive, Westcliff.

CHEMIST.—House and Shop to Let; good opening; no Chemist in the neighbourhood; now Wholesale Druggist; rent £40; 38 St. Peter's Street, Islington. May be viewed, or apply A. Farrant, 13 Maryland Road, Wood Green.

CHEMIST'S Shop to Let in centre of Tylorstown, Rhondda Valley; good business district; large collieries supplying best Admiralty coal; neighbourhood densely populated; safe opening for energetic man; shop recently fitted with up-to-date fixtures and cases for Chemist; two windows with modern fittings. Apply, Mrs. Smith, Brynaethun, Tylorstown.

BUSINESSES WANTED.

MANCHESTER, within 20 Miles of.—Wanted, a Drug Store; genuine; suitable for an unqualified; medium rent; moderate price; with scope for increase. Apply, "Pharmacy" (47/34), Office of this Paper.

PHARMACIST requires small Retail Cash Business in good locality, with National Health Insurance Dispensing connection. State lowest cash terms for immediate possession to "Cinchona" (56/39), Office of this Paper.

FOR SALE.

CHEMIST'S Counter for Sale; 12 ft. long; plain front; 42 drawers, including label, etc., Perfume case and desk, and 9-ft. long oval glass Show-case; various Glass Cases, Specio Jars, etc. Particulars on request, 59/14, Office of this Paper.

NATIONAL Cash Register; nearly new; prints receipt and tape; bargain. Write, "A. W.," 131 Queen's Road, Dalston, N.

AGENCIES.

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CHINA.—British Merchant, with fine connections amongst native Druggists and Doctors, and successfully working his own Proprietary, desires Sole Agency for thoroughly first-class article suitable to this market, to push with his own. Replies to J. H. Richards, 81 Szechuen Road, Shanghai.

PARTNERSHIPS.

PARTNERSHIP.—Required, extra capital to develop good business, with Specialities having a good sale; semi-Retail and Wholesale. Apply, "X. L." (51/30), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

ACCRINGTON.—Wanted, qualified Dispenser for Accrington Medical Dispensary. Apply, stating age, salary, references, to James T. Smethurst, Secretary, 11 Westwood Street, Accrington, Lancs.

BEDFORD.—Junior Assistant (unqualified) wanted for good-class business; Counter, Dispensing, and Window-dressing; easy hours; outdoors. Anthony & Son, 48 High Street, Bedford.

BELVEDERE, KENT.—Qualified Chemist required for old-established business, and to assist with management; duties light; short hours; good Extractor preferred. Please send full particulars as to age, salary, references, etc., also photo if convenient, Knowles & Co., Belvedere, Kent.

BIRMINGHAM.—Assistant; unqualified; capable Salesman and Dispenser; good hours and salary; preference given to man either married or ineligible for military service. Full particulars in first letter to General Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

BOURNEMOUTH.—Assistant wanted, not necessarily qualified; good Junior preferred; elderly gentleman not objected to if accustomed to high-class business; application from lady would be considered. Please send full particulars and enclose photo if possible, to Francis Rose, Boscombe Pharmacy, Bournemouth.

CHELMSFORD.—Unqualified Assistant wanted at once for Chelmsford, with knowledge of Dispensing and Photography; good Counterman and Salesman essential. Apply, with fullest particulars, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W.

COUNTY Town (North).—Junior or good turnover Apprentice; hours 9-7.30; half-holiday; free Sundays; outdoors; comfortable berth; select trade. State salary, references, etc., 58/5, Office of this Paper.

HAMPSHIRE.—Required, early in December, for good-class Retail and Dispensing business in the country, unqualified Assistant, not under 20 (lady or gentleman); Dispensing and good-class trade experience essential; comfortable indoor berth away from business; short hours. James Keeble, Chemist, East Liss, Hants.

HERNE HILL, S.E.—At once, smart Junior or lady Assistant, with knowledge of Photography and Dispensing; outdoors. G. W. G. Robinson, M.P.S., 307 Raiton Road, Herne Hill, S.E.

HYTHE, KENT.—Assistant wanted soon; not over 50; outdoors; chiefly for Counter; also lady Assistant; good-class business; easy hours; no Sunday duty. State experience, age, salary required, and references, to H. Barnett, Chemist, Hythe, Kent.

LANCASHIRE.—Unqualified Assistant required for quick Cash business; must be a good Dispenser; permanency; progressive salary. State when at liberty, "Preston" (57/131), Office of this Paper.

LANCASHIRE.—Unqualified Assistant, also Junior, for Light Retail and Dispensing; progressive salaries. "Wigan" (57/24), Office of this Paper.

LEDGER, HEREFORDSHIRE.—Unqualified Assistant wanted by end of November for Country business; ineligible preferred; good Dispensing experience essential; easy hours and good salary to competent man; outdoors. Send full particulars as to age, references, etc., to Meacham, Chemist, Ledbury, Herefordshire.

LEYTONSTONE.—Junior Assistant; outdoors. Apply, with usual particulars, to Matthews & Son, 722 High Road, Leytonstone.

LINCOLN.—Lady Assistant for Dispensing; in or out. Apply, with particulars, to Battle, Son & Maltby, Lincoln.

LIVERPOOL.—Assistant, chiefly for Dispensing and the usual Dispensary work; must be neat and accurate in all details; application from experienced qualified lady will be carefully considered; liberal remuneration. Full particulars, stating salary required, to E. Prebble, Pharmacist, 187 Kensington, Liverpool.

LONDON.—Comfortable berth with progressive salary for capable unqualified Assistant; high-class business; permanency. "Chemicus" (57/51), Office of this Paper.

LONDON.—Lewis & Burrows have vacancies for a good Assistant and a lady Dispenser. Apply, with full particulars, to 146 Holborn Bars, E.C.

LONDON, N.—A competent Assistant; in- or out-doors; salary £65 indoors, £104 outdoors; also a Junior, just out of his apprenticeship; salary £35 to £40 (indoors); hours 8.30 to 9.30; usual half-day off weekly. Apply (letter only), stating experience, names of references, and when disengaged, "Pharmacist," 300 Amhurst Road, Stoke Newington, London, N.

LONDON, N.—Unqualified Assistant, accustomed to Dispensing, for good-class Light Retail business; outdoors; comfortable situation. Please state age, height, experience, salary required, and enclose photo, Starmer, Chemist, North Finchley, N.

LONDON, N.—Wanted, unqualified Assistant for Counter and N.H.I. chiefly; comfortable berth; state age, salary required, and usual particulars, enclose photograph if convenient. Apply, 57/17, Office of this Paper.

LONDON, N.—Lady Dispenser.—Experienced lady required for Chemist's shop; 8 hours a day. Apply, stating age, height, experience, and salary required (in- or out-doors), to Dow Bros., 44 Seven Sisters Road, Holloway, N.

LONDON, N.W.—Assistant required, lady or gentleman, with good-class Dispensing experience. Elmer Pettinger, 30 Rosslyn Hill, Hampstead, N.W.

LONDON, N.W.—Wanted, an experienced Assistant for a good-class Retail and Dispensing business. Apply, giving particulars of experience, and stating salary required, to T. J. Evans, Ph.C., 9 Royal Parade, Golder's Green.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty; over military age. State experience, and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, S.W.—Required, a Dispenser with Minor qualification; hours of work approximately 8.45 a.m. to 6 p.m., no Sunday duty; salary to commence 50s. per week (outdoors). Write, stating particulars of experience, to "L. J.," 2068, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Qualified Assistant wanted (indoors), London, S.W.; age not over 40. State age, height, salary required, experience, when disengaged, and enclose photo, to "Taraxacum," c/o Meggeson & Co., Miles Lane, Canon Street, E.C.

LONDON, S.W.—An experienced Assistant required for high-class Dispensing business. Apply, Messrs. Plaster & Co., 13 Gledhow Terrace, South Kensington, S.W.

LONDON, S.W.—Wanted, a good Assistant; not eligible for Army preferred (from age or otherwise); in- or out-doors. Apply, with full particulars, Watson, 100 Mitcham Road, Tooting, S.W.

LONDON, S.W.—Wanted, Assistant for Patent Medicines and Perfumery Counter. Apply, Manager, Drug Department, Messrs. Francis & Son, Ltd., 448/50 Brixton Road, S.W.

LONDON, W.—Wanted immediately, competent Assistant; unqualified; live in; must be ineligible for Army. Full particulars to Sanguinetti & Harding, 120 Uxbridge Road, Ealing, W.

LONDON, W.—Competent Assistant required in high-class Dispensing business; outdoors. Particulars of previous experience, age, height, salary expected, and when disengaged, to "S." (55/33), Office of this Paper.

LONDON, W.—Counterman, with good-class business experience (not stores); gentlemanly, well spoken, and of good appearance; good and progressive salary and eventual commission for capable and dutiful man. Apply personally, or if by post, giving full references and photo, to Cofman's Pharmacy, 6 Bloomsbury Street, W.C.

LONDON, W.—Assistant; Junior; unqualified; must be experienced in Dispensing; ineligible for Army; easy hours; sleep in, live out. Full particulars of experience, etc., to G. W. Gray, Pharmacist, 194 Holland Park Avenue, W.

LONDON, S.W.—Wanted, Stockkeeper with knowledge of Drugs, Patent Medicines, etc. Apply, Manager, Drug Department, Messrs. Francis & Son, Ltd., 448/50 Brixton Road, S.W.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

LONDON, W.—Qualified Manager, age about 40; good salary and an interest in the profits offered to capable man; married man preferred. 57/431, Office of this Paper.

LONDON, W.—Qualified Assistant for Dispensing Counter. Apply, giving full particulars of previous experience, age, height, etc., to Roberts & Co., 76 New Bond Street, W.

LONDON, W.—Wanted, Junior Assistant, 20-25; outdoors; reasonable hours; good experience may be had. Apply, W. F. Pasmore, 320 Regent Street, London, W.

LONDON, W.—Branch Manager required; sole charge; no Sunday or Bank-holiday duty. Apply, personally or by letter, A. John, 12 Wigmore Street, W.

MANCHESTER.—Junior (outdoors) for General Retail and N.H.I. work. Apply, with full particulars and salary required, to J. Bell, Pharmacist, London Road, Manchester.

MANCHESTER District.—Junior Assistant (outdoors) required for good-class Retail and Dispensing business; only military ineligibles need apply. Address, usual particulars, with photo (if convenient), to T. & W. Woodruff, Chemists, Cheadle, Ches.

NEATH.—Assistant wanted soon; unqualified; either sex; elderly capable man or otherwise; outdoors; liberal terms; no after hours nor Sunday duty. J. Griffith Isaac, Pharmacist, Neath.

SALE, Near Manchester.—Unqualified Assistant wanted for good-class Dispensing and Photographic; quick, accurate, and obliging. State full particulars and salary required (outdoors) to R. H. Tootill, Pharmaceutical Chemist, Altrincham.

SHEFFIELD.—Wanted, at once, a qualified Assistant for the Mixed Retail trade in a working-class district; one having had some experience in this class of trade preferred; N.H.I.; permanency; Thursday half-holiday; no Sunday duty; outdoors; references to be sent for strict investigation. Exor. J. Watts, 596 Attercliffe Road, Sheffield.

SHREWSBURY.—Wanted, in a good-class business, an Assistant as first hand in the Dispensing department. Apply, with particulars, to W. Adams, Pharmaceutical Chemist, Shrewsbury.

SOMERSET.—Wanted, a reliable, experienced, unqualified man, about 30, well used to Counter and good Salesman; married or single; one with Boot's or quick Counter experience; half-day weekly 1 p.m.; good Salesman; some experience of country with large Agricultural trade if possible; salary £9 to £10 monthly; permanency to suitable man; liberal bonus added. References and photo (returnable) to "Boric" (57/28), Office of this Paper.

SOUTHBOROUGH, Tunbridge Wells.—Wanted, Assistant (outdoors), unqualified, gentleman or lady (with Counter experience), for a Light Retail and Dispensing business; short hours; Wednesday half-day. Apply, with photo if able, stating age, height, experience, and salary required, to J. W. Hoyle, Pharmacist, Southborough, Tunbridge Wells.

SOUTH KENSINGTON.—Wanted immediately, Assistant; not liable to military service; must be accustomed to high-class Dispensing business; sleep in, live out; Sunday and evening duty shared by three. Apply, personally or by letter, with photo, etc., to "B. R. W.," c/o Strickland & Co., 23 Cromwell Place, South Kensington.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—£3 and house free, plus a liberal interest in the profits, offered to a really smart and reliable qualified Manager; married man preferred, but not essential; permanency. State age and when at liberty, "Wales" (57/231), Office of this Paper.

WHITCHURCH, Salop.—Wanted, an energetic capable Assistant; outdoors. Apply, stating age, experience, married or single, references, and photo (if possible), to S. C. Rowland, M.P.S., Pharmacist, Whitchurch, Salop.

A QUALIFIED Dispenser and Bookkeeper required by Doctor: to live out; must have good references as to character. Apply, giving full particulars and salary required, to 18 Regent Road, Great Yarmouth, Norfolk.

ASSISTANT wanted for good-class Retail and Dispensing business; easy hours. Apply, with full particulars, to Gregory & Wrenn, Chemists, Taunton.

ASSISTANT wanted early in December for good-class Retail and Dispensing; some N.H.I. work; capable and experienced; outdoor berth; married man preferred; qualified or otherwise. Apply, with usual particulars, stating salary required, to R. Barrat, Pharmaceutical Chemist, Sevenoaks, Kent.

ASSISTANT wanted, Junior or otherwise, for Family, Retail and Dispensing business. State age and full particulars to G. J. Lusher-Pentney, 98 Queen's Road, Dalston, N.E.

ASSISTANT required for good-class Retail and Dispensing, London, N.W.; one not eligible for military service preferred; Part-time man entertained, or application from ladies considered. Full particulars, "Bynagen" (58/39), Office of this Paper.

ASSISTANT for Light Retail and Dispensing; hours 8.30 to 8; outdoors. Apply, with usual particulars, to R. Wood, Chemist, 429 Oxford Road, Reading.

ASSISTANT required, experienced; qualified or unqualified; chiefly for Dispensing; good salary. Apply, with usual particulars to R. S. Starkie, 7 Grand Hotel Buildings, Trafalgar Square, W.C.

ASSISTANT for Light Retail and Photographic business; either sex; not eligible for Army; must be reliable and quick. Apply, with full particulars, to Day, Saltash.

BEVAN & SON, Pharmacists, Harwich, Essex, require reliable Assistant, used to Dispensing; two kept. State salary (in- or out-doors), age, experience, and references. Lady used to a Pharmacy or middle-aged gentleman, or active Partner would be entertained.

BRANCH Manager (qualified) required immediately; to one with enterprise, energy, and initiative good salary and commission; knowledge of Photography and good Window-dressing essential. Apply, with fullest particulars, to Parke's Drug Stores, Ltd., 65 Harmond Street, N.W.

CAPABLE Junior or Improver or lady Dispenser; must be accustomed to modern good-class Retail and Dispensing; male applicants must be ineligible for military service; very comfortable berth assured. Send full particulars, first letter, and salary required (indoors), enclosing recent photograph, to Boddy, "Westwood," Westcliff-on-Sea.

ELDERLY qualified man required at once to partly Manage small business. Apply, giving full particulars as to age, salary required, etc., to 56/32, Office of this Paper.

JUNIOR; accustomed to good-class Country business; easy hours; no late duty; indoors; assistance to studies if desired. J. Jones, Pharmaceutical Chemist, Bridgend, Glam.

JUNIOR or lady Assistant wanted for Retail business; outdoors; no Sunday duty. Apply, J. H. Oliver, 31 Fore Street, Wellington, Somerset.

LADY Attendant.—Large firm of Store Chemists in populous Lancashire town require Lady Attendant for Surgical Department; must understand fitting of Elastic Hosiery, Abdominal Belts, Trusses, etc.; one who is looking for permanency preferred; age not under 28; 25s. weekly and commission. Particulars and references to 59/32, Office of this Paper.

LADY Assistant; London or provinces; 30s. per week salary. State age and experience, 57/331, Office of this Paper.

LADY Dispenser, unqualified, wanted by Wholesale house, London. Apply by letter, stating salary and particulars of previous employment, 60/21, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

MESSRS. TUPHOLME & SON, 1 Colcherne Terrace, Earl's Court, S.W., require an Assistant (who for any reason is ineligible for military service), to sleep in: a Part-time applicant would be entertained. Apply as above, with usual particulars.

PART-TIME Assistant; evening work; bedroom found; suit student; very central. "Ajax" (33/3), Office of this Paper.

QUALIFIED Chemist to Manage Branch business in the Midlands; quick Cash trade, with Insurance Dispensing; reasonable hours. Send full particulars of experience, stating age and salary desired, in first letter, 59/8, Office of this Paper.

QUALIFIED lady Pharmacist wanted for the period of the war or for at least six months, at a London Children's Hospital with about 100 beds; attendance required all day, except Sundays; applicants should state age, qualifications, past experience, and salary desired. Applications, with not more than three testimonials (copies only), to "Hospital Pharmacist," c/o Street's, 30 Cornhill, E.C.

QUALIFIED Manager, single, also Junior (outdoors) required for Dispensing and Retail; only military ineligible need apply. Woodruff, Chemists, Cheadle, Cheshire.

QUALIFIED Manager; South Coast; high-class Store and Dispensing business; smart appearance and address; good Window-dresser; able control staff; experienced in large Retail business; Optic knowledge preferred; permanency; progressive salary, share of profits; applications treated confidentially. State age, height, experience, when disengaged, and salary required, "Chemist," 20 Montefiore Road, Hove.

QUALIFIED Manager required with good experience; short hours; liberal salary offered to suitable man. Apply, R. C. Harrison, Ph.C., Grayshott, Hindhead.

REQUIRED, qualified Chemist to Manage business during owner's absence on military duty for the period of the war; abstainer preferred. Full particulars to 51/33, Office of this Paper.

SECOND Assistant wanted in a good-class business; opportunity for gaining all-round experience; hours easy; comfortable berth and good salary. Apply, with photo if possible, T. L. Nicholls, Pharmacist, Chelmsford.

SENIOR Assistant, able to take charge, wanted for Mixed suburban business; small staff. Particulars of age, height, qualification (if any), references, and salary (outdoors), and when at liberty, to Henry Tiuker, The Heights, Manchester.

STOCKROOM.—Male or female help wanted for Stock, Post Orders, etc. Apply, stating age, experience, references, and salary required, to Bishop & Vincent, 460 Holloway Road, London, N.

UNQUALIFIED Assistant, with good all-round experience in Counter work, Dispensing, and Photographics, required for quick London business; elderly man not objected to if active. Apply, stating full particulars of experience and salary required, etc., to 58/27, Office of this Paper.

UNQUALIFIED Assistant wanted immediately; Light Retail and Dispensing. State full details, Harrison, 25 Hyde Park Road, Leeds.

UNQUALIFIED Assistant (lady or gentleman), the latter ineligible preferred; in- or out-doors; comfortable permanency to suitable applicant desiring time off for study; usual weekly half-holiday. State particulars of age, experience, and salary expected to G. Dauncey, 6 Nugent Terrace, St. John's Wood.

WANTED, a qualified Assistant, to take an active part in general management; good remuneration and prospects to a suitable man. Reply, giving full particulars, to 57/26, Office of this Paper.

WANTED, unqualified Assistant (lady or gentleman) for high-class Dispensing business; no Insurance work; permanency; outdoors; good salary offered to suitable applicant; must be able to write well. 57/23, Office of this Paper.

WANTED, for duration of war, qualified Bookkeeper-Dispenser; salary at rate of £120 per annum. Applications, stating age, qualifications, and experience, and accompanied by copies of two recent testimonials, to be sent in by November 18 to The Secretary, North Lonsdale Hospital, Barrow-in-Furness.

WANTED, a good Assistant, qualification not essential, not eligible for Army (from age or otherwise), in good-class Country Retail, Dispensing, and Photographic; experience necessary. Apply, stating age, references, and salary required (outdoors), "Peteus" (59/7), Office of this Paper.

WANTED, a qualified Assistant for small Lancashire Manufacturing town; to live out; good Counterman and Window-dresser; used to Insurance dispensing; must be steady and obliging. State age and salary required, 57/38, Office of this Paper.

WANTED, outdoor Assistant, used to quick Cash trade; either now or in a week or two; good salary to suitable man. Apply, H. T. Hines, 86 High Street, Whitechapel.

WATSON'S, The Camera House, Sheffield, require Assistant; high-class Photographic; must be good Salesman and not eligible for military duty; easy hours and good salary to pushing man with experience, energy, and ability.

YOUNG lady wanted as Dispenser by Medical Practitioner on the Panel; must be fully qualified, and one with some knowledge of Bookkeeping preferred. Apply, with references, to 56/13, Office of this Paper, stating salary required.

£3 per week for capable, qualified lady or gentleman as Manager of middle-class business; must be quick and obliging; hours easy, work light; no Thursday evening duty. Apply, 181 Whitham Road, Sheffield.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON, S.W.—Wanted, in a large Dispensary, girls used to packing Powder. Write, stating wages required and experience, to "L. J.," 2069, Sells' Advertising Offices, Fleet Street, E.C.

SOUTH and West of England.—First-class Salesman, on salary and expenses, required by house marketing important Proprietaries; experienced Representatives should state ground covered, salary required, and details of previous employment, in confidence. Write, "Phosgene" (61/7), Office of this Paper.

A VACANCY for an Assistant occurs in the Analytical Laboratory of a firm of Manufacturing Druggists in the City; experience in technical details not essential, but applicant must have a thoroughly sound knowledge of the fundamentals of analysis; salary £80. 56/22, Office of this Paper.

CAPSULE Maker, experienced, required immediately; good wages. Apply, stating age, experience, and when disengaged, to The Standard Tablet and Pill Co., Ltd., Hove.

CLERK (female), with experience in the Wholesale Drug trade; Typewriting. Apply to "Typist" (32/85), Office of this Paper.

COUNTERMEN, experienced Wets and Dries; also Despatch Clerks; good wages and permanency for suitable men. Apply, Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

DRY Counter.—Experienced men required at once. Apply, Burgoyne, Burbidges & Co., East Ham.

GENTLEMAN in the Buying Department of London Wholesale Druggists; state qualifications and salary required. Apply to "Buyer" (32/35), Office of this Paper.

GIRL Packers.—Wanted, by a first-class London firm, one or two experienced girls for Capsuling, Labelling, etc.; wages to commence 12s. to 14s. per week. Address, "Islington" (31/30), Office of this Paper.

LABORATORY.—Wanted, qualified Pharmacist as Chief Assistant in Manufacturing Laboratory of provincial Wholesale house. Apply, with full particulars, age, experience, and salary required, to "Galen" (30/9), Office of this Paper.

LABORATORY Assistant required, accustomed to making Pharmaceutical Preparations; also Packer and Wet-counter hand. State experience, age, and wages required, 61/9, Office of this Paper.

MAN thoroughly experienced in Tincture-making required for a London house; good wages to the right man. Apply, 20/29, Office of this Paper.

MESSRS. JOHN RICHARDSON & CO., LTD., Friar Lane, Leicester, have a vacancy for an experienced Invoice and Costing Clerk; must have a thorough knowledge of market values, and be able to undertake pricing of contracts, etc., without supervision. Applicants will please give age, experience, references, and salary asked.

PERFUMERY Forewoman required in London works; good disciplinarian. State age, salary, and experience, "Bell" (30/51), Office of this Paper.

PERFUMERY hand.—Wanted, a smart woman with experience in this line, to take charge of workroom as Forewoman. Apply, by letter or personally, Osborne, Garrett & Co., 51/54 Frith Street, Soho, W.

QUALIFIED Manager; South Coast; high-class Store and Dispensing business; smart appearance and address; good Window-dresser; able control staff; experienced in large Retail business; Optic knowledge preferred; permanency; progressive salary, share of profits; applications treated confidentially. State age, height, experience, when disengaged, and salary required, "Chemist," 20 Montefiore Road, Hove.

SENIOR Clerk; experience of Export Invoicing and thorough knowledge of prices indispensable; progressive post for really capable man. Full particulars and salary looked for, to 33/15, Office of this Paper.

TABLET Room.—Wanted, an experienced man accustomed to Coating, Granulating, and Tablet-making. Address, stating age, experience, and wages required, to "Borax" (31/36), Office of this Paper.

TABLETS.—Foreman Tablet hand required on Government work; permanency and good remuneration to competent man. Apply, giving full particulars of experience, etc., 32/14, Office of this Paper.

WANTED, working Foreman, to take charge of bottling natural Mineral Water; small factory; must be efficient with modern machinery, running repairs; good disciplinarian and organiser. State salary and experience to Cater, Stoffell & Fort, Ltd., The Springs, Bath.

WANTED, Assistants for Wets and Heavies; permanency for suitable men. Apply, stating age and full particulars, to John Thompson, Ltd., Wholesale Druggists, Hanover Street, Liverpool.

WANTED, Junior for Wholesale; previous Wholesale experience not essential; ample opportunity for study. Apply, Bradley & Bliss, Ltd., Reading.

WAREHOUSEMAN (under), ineligible, required by Druggists' Wholesale, London; accustomed to checking and despatch of orders. Apply, stating age, experience, and salary required, to "Z." (33/16), Office of this Paper.

WET and Dry Assistants wanted for Edinburgh Wholesale house. Apply, with full particulars, salary required, 31/11, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

BOMBAY.—Assistant required at once for an old-established English firm; salary first year Rupees 300 per mensem, second year Rs. 325, third year Rs. 350; second-class passage paid out. Apply, stating age and qualifications, to "X. H. A. G.," S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

RIVIERA.—Qualified Assistant required, speaking French. Apply, in first instance, H. A. Green, S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

TRAVELLER in Spain.—Wanted, by leading Manufacturing Chemists, English Pharmacist, speaking fluent Spanish, as Traveller in Spain. Apply, 30/440, Office of this Paper.

TRAVELLER in France.—Wanted, by leading Manufacturing Chemists, English Pharmacists, speaking fluent French, as Travellers in France. Apply, 30/44, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

A BELGIAN Chemist, who has been several months Dispenser in a good-class Pharmacy in England, is seeking another post; good references as to character and ability; married. Apply to 60/35, Office of this Paper.

A CTIVE, trustworthy, unqualified (43) seeks sound permanency Christmas. State salary, "Dental" (58/37), Office of this Paper.

A DVERTISER, good Retail and Dental knowledge, seeks engagement as Branch Manager where there is an opportunity to open a Dental Surgery at own expense; 33; unqualified; married. "Rhei" (58/1), Office of this Paper.

A FTERNOON.—Lady Dispenser (qualified) requires engagement in London. Miss Samuels, 156 Elgin Avenue, W.

A SSISTANT, married (29), unqualified, desires permanency; disengaged November 27. G. A. Vozey, 9 Jameson Street, Notting Hill Gate, London, W.

ASSISTANT (26), unqualified, gentlemanly appearance, ineligible, married (no family), thoroughly experienced, Dispensing, Counter, capable of taking charge, desires permanency; disengaged shortly; country preferred, within 100 miles London; excellent references. "P." (57/27), Office of this Paper.

ASSISTANT or Branch Manager; unqualified; 33; married. 58/41, Office of this Paper.

ASSISTANT or Drug-Store Manager; unqualified; permanency; married (no family); good references. 58/30, Office of this Paper.

ASSISTANT; lady; 19; Cardiff or district; Dispenser. "Aspirin," 29 Colum Road, Cardiff.

ASSISTANT; 25; sound experience; technical training; disengaged soon; London, West End preferred. 60/12, Office of this Paper.

ASSISTANT requires a Part-time position in Birmingham or district. 53/10, Office of this Paper.

ASSISTANT (rejected by military); Dispensing, Retail, Photographic; varied London and provincial experience; abstainer; permanency; London district. Williams, 193 West End Lane, N.W.

ASSISTANT or Locum; unqualified; 29; experienced; free Monday. "Ipecac," 19 Venn Street, Clapham Common, S.W.

BRANCH Manager; unqualified; married; 42; good Prescriber; own Specialties; highest references. "Rhei" (56/31), Office of this Paper.

BRANCH registered Prescriber, Extractor; at liberty; good testimonials. Address, "B," 236 Battersea Park Road.

DISENGAGED; qualified; Senior or Manager; 26; excellent references. 59/13, Office of this Paper.

DISENGAGED; 5 years last berth; good experience in Dispensing; also Optical and Photographic work; London preferred. "Statim," 11 Pakers Road, Eastbourne.

DISPENSER or Assistant; good experience and references; age 43. S. Stovell, 4 Handforth Road, Brixton, S.W.

ELDERLY; qualified; Manager or Dispenser; Homeopathic knowledge; in- or out-doors; married, no family; 30 years' experience. 53/39, Office of this Paper.

EVENING work wanted by qualified, reliable man: Dispensing preferred; in London. "Vesper" (58/11), Office of this Paper.

LADY, unqualified, desires post as Assistant to Dispenser, with opportunity to qualify, Hall (re-examination). Miss A., 134 Eastbourne Road, Darlington.

LADY Dispenser desires post with Doctor or at Institution: Hall qualification; experience at Dispensary; good testimonials. "I. D.," 42 Dudley Road, Hford.

LADY (experienced) seeks post; Toilet and Perfumery. "L.," 74 Narbonne Avenue, Clapham.

LADY Dispenser, Hall qualification, desires post; Doctor or Chemist; London preferred. Miss W. MacGregor, 116 Stepney Green, Mile End, E.

LADY Dispenser requires post (Hall qualification) with Chemist or Doctor; London preferable. R. T. Davies, 38 Orlando Road, Clapham, London.

LOCUM; disengaged; good experience; satisfactory references; "Qualified," 38 West Brompton, Newcastle, Staffs.

LOCUM or Part-time; 30; unqualified; experienced; disengaged Monday; state terms; healthy; ineligible. "Urgent," 204 Ebury Street, London, S.W.

LOCUM TENENS or Temporary; not eligible; disengaged. Write, 60/38, Office of this Paper.

LORD DERBY'S Appeal.—Dispenser desires appointment at a Military Hospital; experienced; qualified; excellent testimonials. "Veritas" (58/23), Office of this Paper.

MAN (29), experienced in making Galenicals, desires Dispensing experience, evenings, N.W. district; would give services. Peck, 30 Arlington Road, N.W.

MANAGER or position trust with enterprising firm; qualified; 38; single; 25 years' West-End, Colonial, foreign experience; organise, control, manufacture Toilet goods. "Energy" (55/21), Office of this Paper.

MANAGER; qualified; elderly; active; experienced; permanency desired. "Permanent," 4 St. Mary's Street, Broad Street, Wolverhampton.

MANAGER; 44; married; abstainer; excellent London experience Managing; Prescriber, Extractor; entertain Partnership; disengaged shortly. "Pharmacist" (57/29), Office of this Paper.

MANAGER wants situation; up-to-date trading; experienced Buyer; used to controlling staff; Major qualification. Write, "Chemist," 116 Spring Street, Bury, Lancashire.

MANAGER; outdoors; Major qualification; Wholesale, Retail, Manufacturing, Analytical, and Photographic experience; above military age; active. "Chemist," 5 East Dulwich Grove, S.E.

PART-TIME; all Sundays, alternately every Thursday half-day; qualified. "Pharmacist," 124 Manor Park, Lee.

PART-TIME; gentleman; experienced Secretary; qualified Dispenser. "Permanency," 50 Woodside Park Road, N.

PART or Full-time; first-class experience; ineligible for Army. "H.," 50 Foxley Road, Brixton.

PHARMACIST (lady) requires work; Hospital or Medical Mission; London; free 10 to 4 (Saturdays and Sundays excepted). "Pharmacist," 120 Belgrave Road, S.W.

QUALIFIED Chemist desires re-engagement, preferably as Manager with full control; disengaged early; not required in Army. Walker, 38 Lowther Street, Whitehaven.

QUALIFIED, 45, abstainer, experienced, seeks position for three or four months; whole- or part-time. 56/18, Office of this Paper.

QUALIFIED; 29; rejected recruit; position in Laboratory or Retail; short hours; first-class Dispensing; references, etc.; Liverpool or further North. 55/28, Office of this Paper.

QUALIFIED; Manager; 26; ineligible for military; capable; wide experience; Photography; permanency; married; excellent references. Particulars, salary, etc., 55/17, Office of this Paper.

QUALIFIED; elderly; single; well experienced; moderate salary; reasonable hours; London. "G. P.," 55 Archer Street, W.

QUALIFIED; experienced; disengaged; Branch or otherwise. "M.P.S.," 22 Sherwood Street, Fallowfield, Manchester.

QUALIFIED Dispenser (lady) requires post with Doctor or Chemist. 58/31, Office of this Paper.

QUALIFIED; 26; Manager or Senior; all-round experience; Yorkshire preferred; disengaged. 57/35, Office of this Paper.

QUALIFIED Chemist, 35, Refractionist, good and varied experience, requires post as Manager or Senior. "H. G.," 6 Lynton Avenue, W. Ealing.

QUALIFIED; experienced; tall; good appearance and address; active, reliable; 47; free middle November; good references. "Chemist," 29 Victoria Road North, Southsea.

QUALIFIED desires re-engagement as Manager or Dispenser in London; outdoors. "Major," 92 Fentiman Road, S.W.

QUALIFIED desires change; 5 years as Branch Manager; Store and Retail experience. State hours and salary, "Caffeu," 115 Chesterfield Road, Sheffield.

SENIOR Assistant, 24, unqualified, desires post as Drug-store Manager; Photography and Optics; ineligible for Army; abstainer. "Lynex," 18 Bath Road, Walsall.

TEMPORARY engagement required; Locum; first-class references; capable; experienced; qualified; now disengaged. 59/2, Office of this Paper.

UNQUALIFIED; 43; tall; single; Dispenser, Prescriber, Counter, etc.; at liberty shortly. Please state hours, salary, etc., "J. G.," 16 Thomas Street, Stretford, Manchester.

UNQUALIFIED; ineligible; high-class experience, Dispensing, Photographic; disengaged immediately; London. 33/17, Office of this Paper.

V. R.; married; 36; 5 ft. 7½ in.; practically an abstainer; honest; as Manager, Locum, or Assistant; at liberty. "Trust," 6 The Green, Thorne, Doncaster.

YOUNG lady desires situation as Assistant Dispenser, Hospital or Chemist's, to learn Dispensing; Southport or Liverpool district. Crosland, General Post Office, Southport.

35/-: Manager or Assistant; age 33; used all branches; experienced; highest references; photo. F. Lambert, 654 Stretford Road, Sparkhill, Birmingham.

LADY requires private tuition (near Forest Gate if possible), in treatment of Hair, Scalp, and allied Skin Diseases (theoretical and practical). "B. C." (48/22), Office of this Paper.

A GRADUATE in Pharmacy, U.S.A., with first-class recommendations, capable Dispenser, Analyst, Laboratory worker, seeks position as Assistant; either Wholesale or Retail; active worker. Ashley, 4 Tenison Street, S.E.

WHOLESALE.

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ADVERTISER desires one or two spare-time commissions to work among Birmingham and district Chemists. 58/35, Office of this Paper.

CHEMIST; 38; Laboratory and General Manager; control large staff and output; free December 1. Please state salary offered, "Balsam" (57/5), Office of this Paper.

CHEMIST'S wife (34), tall, good appearance and business training, desires appointment as Representative to good-class Perfumery and Toilet Speciality house. Terms, etc., to 57/36, Office of this Paper.

GENTLEMAN with large experience Drug trade is open for evening work; Accounts, Bookkeeping, and Correspondence. "M., 57 Lambs Conduit Street, W.C.

PERFUMER (Manufacturing), with many years' practical experience in the manufacture of Perfumery and Toilet Articles, desires situation in England or abroad; can supply recipes; good references. 56/15, Office of this Paper.

REPRESENTATIVE for good Wholesale house; preferably Northern; Drugs or Sundries; excellent references and extensive experience of the Drug trade. 55/34, Office of this Paper.

TRAVELLER requires re-engagement; qualified Chemist with thorough experience of Drug and allied trades and of road; good selling record and references; disengaged. 58/40, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green. Shares for Sale (free of commission, subject).—210 Camwal Ordinary, 3s.; 140 Preference, 11s. 6d.; 50 John Knight Ordinary, 24s. 10½d.; 40 J. Crosland 6 per cent. Preference, 21s. 7½d.; 200 Allen & Hanbury "A" 6 per cent. Preference, 21s. 9d.; 200 Sanitas, 20s. 6d.; 150 Hford 6 per cent. Preference, 17s. 3d. Wanted (subject).—£1,000 Idris Debenture; 200 Lewis & Burrows Preference; 50 Wright, Layman & Unney Preference. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster

SECOND-HAND Drug Fittings, cheap, all sizes.—Silent Salesman, Glass Counters, Wall-cases, Window-enclosures, Screens, Iron Safes and Partitioning; Shop-fronts and Glass Facias a speciality. Farley's, Chemists' Shopfitters, 227-227a Old Street, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

CHEMIST'S Fittings.—Second hand; large stock of high-class Drug Fittings, Piano Wall Cases, Dispensing Screens and Counters, Glass Counters, Counter Cases, Perfumery Cases and Desks, Counter Drawers; absolute bargains; cheapest house for Window Enclosures, Mirrors, Glass Shelves, Modern Shopfronts, Improvements, etc.; plans prepared; estimates free. Mills' Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. Phone, London Wall 550.

SHOPFITTINGS.—12-ft. Mahogany Plate-glass Serving Counter; 10-ft. Drug Fitting with Glass Labels and Knobs; 6-ft. Dispensing Screen and Counter; Desk and Perfume Case; 4-ft. Bent Counter Case; Mahogany Wall Case; £39 10s.; sketches on application. Philip Josephs & Sons, Ltd., 95 Old Street, London, E.C.

ABOUT the CHRISTMAS TRADE.—Suggest your goods as sensible for "Xmas Presents" by means of gaily coloured "Xmas Present" Tickets and Posters, and secure a rich harvest of increased business; illustrated list No. 245, in colours, showing over 100 most attractive designs, free for asking. Dudley's, Ticket Specialists, Holloway, London.

DECISIVE ACTION is essential if you wish to economise in your expenditure in Showcards.

SEND NOW and secure our **SPECIAL CLEARANCE LINES**

3, 12×9, Neatly Designed Cards for 2/8
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Special Adv. Line 2, 15×10, Designed Cards for 2/8 " "
F. MERTEN & CO., 72 Marlborough Rd., HOLLOWAY, LONDON, N.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE.

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

| | |
|---|---|
| Adalin tablets, 50 bottles or less (57/7) | Hartmann's wood-wool, 1 lb. (1 doz.) (29/6) |
| Alypin, 1 oz. (29/6) | Oleum pini sylvestris, 2 lb. (29/5) |
| Bromural powder or tablets (55/23) | Oleum pumilionis, 2 lb. (29/6) |

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

| | |
|-----------------------------------|--|
| Acid. acetosal., 2 lb. (48/18) | Phenacetin eo. tablets, 10 bottles 100's (60/13) |
| Adurrol (Hauff.), 1 oz. (48/18) | Quinine, 100 oz. (58/25) |
| Bromural, ½ oz. (48/18) | Sod. salicyl., 7 lb. (58/25) |
| Codeia phosph., ¼ oz. (48/18) | Styracal, 1 oz. (48/18) |
| Exalgin, 1 oz. (48/18) | Theocin sodii acet., ½ oz. (48/18) |
| Hydroquinone, 1 lb. (48/18) | |
| Metol, 2 oz. (48/18) | |
| Phenacetin (Bayer), 3 lb. (60/13) | |

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

APPARATUS.

X-RAY coil, 10 in., good condition, £12 12s. Mawson & Proctor, Ltd., 11 Grey Street, Newcastle-on-Tyne.

DRUGS AND CHEMICALS.

BEST offers: Quinine sulph., 60 oz.; acetanilide, 1½ lb.; guaiacol carb., 1 oz.; resorcin, 1 oz. Frost Wood, Chemist, Nottingham. BEST offer for 6 56-lb. tins glycerin, 1,260, carriage paid, in 1-cwt. lots. Edwards, Chemist, Fallowfield, Manchester.

WHAT offers: Quin. sulph., 100-oz. tin (Howard's) 100 Continental; 7 1-lb. sodii salicylas (B. & W.'s); 1 lb. acid. salicyl. (Schering's). 60/25, Office of this Paper.

TWO drams atropine sulphas, 1 oz. ichthyol (genuine), 5 oz. ol. rhodii, ½ lb. neurilla, ½ lb. celerina, 16 oz. sem. cardam., 8 oz. salicin; offers, whole or part. McMullan, Chemists, Larne.

3 oz. sulphonal, 6s. 6d.; 3 lb. pot. tart. (neutral), 10s. 6d.; 11 oz. bismuth oxide, 10s. 6d.; 2 oz. bismuth. salicylas, 4s.; 8 oz. pot. sulphocyanid., 4s.; 4 oz. iridin, 3s.; 3 oz. pot. benzoas, 2s. 3d.; 4 oz. zinc. valerianas, 7s. 6d. Smith, 227 Commercial Road, London, E.

WHAT offers? 1 oz. each chloralamid, bromural, Bayer's aspirin, cocaine hydrochl.; 2 oz. each quin. salicylate, guaiacol liq. (pure), guaiacol carb.; ½ oz. each Bayer's trional, spiroal, beta-naphthol, quin. phos.; 10 5-gr. bromural tablets; ½ lb. acid. salicylic, crystal (phys. pure); 1 lb. ditto, Schering's, pure powder; 100 5-gr. veronal tablets. Pavey, Chemist, Ramsgate.

WANTED.

METOL or substitute. Horrell & Goff, Chemists, Dartford.

SMALL mixing machine wanted. 53/19, Office of this Paper.

WANTED, 2 and 4 drachm actinic green bottles. State price, 57/30, Office of this Paper.

SEIDLITZ powders, machine for weighing. State particulars, 55/25, Office of this Paper.

WANTED, hand printing machine, with type and accessories, chase approx. 5 by 8 in. 102 Walingate, York.

WANTED, reliable personal weighing-machine, also dispensing scales. State maker and price, McMullan, Chemists, Larne.

VIALS wanted; cash, or exchange licorice, 2-oz. sticks. Duck, Chemist, Cardiff.

WANTED, genuine Carlsbad crystal salts. Price and quantity to Rogerson, Darley Street, Bradford.

WANTED, good formulas for black and brown boot polish; must be brilliant and lasting. "Nervine" (51/30), Office of this Paper.

WANTED, stocks of drugs, patents, sundries, and packed goods. State price and quantity, Myers & Co., 13a Whitechapel, Liverpool.

WANTED, chinisol, adalin, sodium sozoiodol, valyl capsules, bromural, eugallol, salvarsan, pyramidon tablets. 58/10, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

SURPLUS stock of Chemicals, Drugs, Packed Goods, Sundries, etc.; samples, quantities, and prices to Delmas & Co., Burlington House, Hincley Road, Nuneaton.

OFFERS wanted of Gardner's "Rapid" sifters and mixers and Werner & Pfeiderer's dough mixers, in good condition. Prices, stating size, etc., to 30/12, Office of this Paper.

SANTONIN, ammon. brom., quinine, phenacetine, phenazonum, antifebrin, aniline dyes, sod. salicyl. Offers of large and small quantities to Frank Battersby, Chemist, Southport.

PETER PARLEY'S Annual, 1835-1856; Saunderson's "Advice on Teeth," 1837; "Fine Art Quarterly Review," vol. II., 1864. State price and condition, 22 Hampstead Road, Brighton.

India and the East.

(From the "C. & D." Correspondents.)

BENGAL SALTPETRE.—The number of saltpetre refineries in Bihar in 1914-15 was 205, against 213 in the previous year. The total quantity of crude saltpetre dissolved was 336,827 maunds and that of refined saltpetre produced was 222,123 maunds, against 260,094 maunds and 185,373 maunds respectively in 1913-14. The quantity of salt reduced in the manufacture and refinement of saltpetre was 24,885 maunds, out of which 20,075 maunds was removed on payment of duty, against 17,156 maunds removed in 1913-14.

OPIMUM AT FOOCHOW.—Ever since the opening of Foochow to foreign trade opium has been the most valuable item among the foreign imports, but now the prohibition has considerably affected the commercial life of the port, and the imports in 1914 fell to 109 piculs, compared with 1,023 piculs in 1913. One of the three Indian firms engaged in the business has withdrawn from the port, and it is probable that the other two will shortly follow suit. A considerable illicit trade in opium is still being done, and will continue to be done until the demand dies out.

CHEAP QUININE.—Colonel Buchanan, the Inspector-General of Prisons in Bengal, alludes in his report for 1914 to the work of distributing cinchona-products in Bengal, Bihar, and Assam, which for some years past has been undertaken by the Juvenile Gaol. The average number of boys engaged in the work last year was ninety-six, and they appear to have had a busy time, as the demand for quinine tablets was enormous. During the twelve months 120,675 boxes of "treatments" were sent out for distribution and sale, against only 31,819 boxes in the previous year, or over 24,000,000 tablets of quinine, compared with the supply of just over 6,000,000 in 1913. The net profit was Rs. 30,971. Owing to the difficulties of obtaining glass, tin tubes were used for packing the tablets.

MEDICINAL PLANTS.—The "Planters' Chronicle" refers to a new feature of the Exhibition at Bangalore this year, which was a collection of medicinal plants, products, and the extracts, etc., made from them, shown by Mr. A. Pell, the managing director of the Mysore Pharmaceuticals, Ltd. This company have recently put up a factory in Bangalore, and many of the crude products used are grown in this country, and others can be. In every district valuable plants are to be found which supply drugs, essential oils, etc., and in all of these Mr. Pell is interested. An exhibit of this kind enables planters to form an idea of how far it would pay them to collect or even cultivate on a small scale such minor products. Among the drugs shown were cardamoms, cinnamon, chillies, cinchona, and citrus fruits.

INDIAN MAGNESITE.—The quinquennial Review of the Mineral Production of India states that during the previous quinquennial period the production of magnesite from the "Chalk Hills" near Salem showed the violent fluctuations of an industry not yet firmly established; those fluctuations continued till 1909, when the production fell from 7,534 tons in 1908 to 737 tons. Since then the industry has been an expanding one, with a production of 14,086 tons in 1913, and an annual average for 1909-13 of 7,775 tons, valued at 2,278l., against an average of 2,586 tons, valued at 689l., during the previous period. The product is nearly all exported after calcination on the spot, the average annual quantity of lightly calcined magnesite produced during 1909-13 being 2,157 tons, valued at 7,191l. The Tata Iron and Steel Co. has commenced to extract magnesite in the Mysore district for lining its steel furnaces at Sakchi.

INDUSTRIAL PROGRESS in the United Provinces is dealt with in the Report of the Director of Industries for 1914-15, in the course of which it is stated that the perfume-trade has received continuous attention in the Government laboratory, and plans have been laid for improving the conditions of manufacture and sale. Since the close of the official year these have made substantial progress, and a detailed scheme is now before Government. Conditions of the industry on the whole are healthy, but adulteration of sandalwood oil with the so-called "white" oil or debloomed mineral oil is securing a foothold, and will in the end work much harm to the industry if not checked now. Proposals for the supply of duty-free spirit in order to establish the manufacture of spirit perfumes are now under the consideration of Government. The report goes on to state that the oil-industry of the United Provinces is being injuriously affected by the growing extent to which adulteration is practised by this "white" oil or jelly imported from Germany and the debloomed mineral oil imported from America. These mineral oils are used very largely indeed, and as they are added to both edible oils and lubricating-oils, their employment not only unfairly handicaps the honest manufacturer, but is possibly harmful to the individual.

American Notes.

Net Weights.—The United States Department of Agriculture has issued a notice that the time during which the labels may be used which were in stock before the enactment of the Net Weight Law has been extended to January 1, 1916. Under the Departmental Order the privilege of using labels and cartons printed prior to May 11, 1914, which do not state the quantity of the contents of packages of food, in terms of the largest unit, as food-inspection decision No. 154 holds that they should, providing the quantity of the contents is otherwise plainly and correctly indicated. The purpose of this decision is to compel quantities to be stated in the form most readily intelligible to most persons. In order to avoid the waste of a large number of labels and cartons, however, which had been printed before this decision was issued, the Department agreed some time ago to permit the use of such labels and cartons which, although they did not comply with the regulations in this respect, were otherwise satisfactory, had been printed prior to May 11, 1914, and indicated an honest attempt to comply with the provisions of the law. The present decision extends the time to January 1, 1916.

Standard Medicines.—The question of standard advertised remedies was discussed recently by Mr. E. F. Kemp at a convention of the National Editorial Association in Los Angeles. He told how honest firms in the patent-medicine business are endeavouring to set a standard in medicines that will comply with the highest advertising ethics. Mr. Kemp said he did not regard as "standard": Adulterated or misbranded preparations; anything capable of being used as an alcoholic beverage; incurable disease "cures"; anything capable of creating or satisfying a drug addiction; "quack" concoctions; alleged remedies for condition caused by sexual vice, the alleged abortifacients, etc. He included the ordinary household medicines which are sold almost universally, and which have been for years, and probably always will be, advertised in the newspapers. These preparations are in uniform packages under trade-names which are advertised direct to the public, and which are sold through the ordinary channels of trade. Most of them originated as physicians' prescriptions, happy combinations which proved to be so efficacious that a local demand grew for them, and which proved so beneficial that their general distribution and sale became commercially possible and profitable—and commercial successes are not possible unless the article merchandised be of merit and value. Plans involving the standardisation of such medicines are being considered by a Committee of the Proprietary Association, which organisation is promoting a Bill making it a misdemeanour to make, circulate, or disseminate in any form of advertising any statement that is untrue, deceptive, or misleading.

Netherlands Notes.

(From the "C. & D." Correspondent.)

Utrecht University.—A splendidly equipped new pharmaceutical laboratory for the university students was opened at Utrecht on September 28. In his opening speech, Professor Dr. N. Schoorl, the director of this pharmaceutical institute, gave a short sketch of the development of analytical chemistry.

Scarcity of Dyes.—The scarcity of dyestuffs in Holland is becoming more acute, and if the Government does not succeed in getting dyes from Germany the Dutch textile-industry will very soon come to a standstill. This would be a calamity for the population in the eastern provinces of the Netherlands.

A New Chemical-manufactory, under the name of N.V. Chemische Fabriek Gembo, has been founded in Winschoten, a town in the Dutch province of Groningen. The director is Mr. J. A. Koning, pharmacist and chemist, of Winschoten. The company intends to deal in and to manufacture chemical-products, drugs, and galenicals, and also cultivate medicinal plants.

Supply of German Medicaments.—An agreement has been reached with the German Government which will enable the Dutch wholesale dealers to buy medicaments of German origin through the "Rijks Magazijn van Geneesmiddelen," Amsterdam. Those who require medicaments from Germany give an order to their ordinary wholesale dealer in Holland, who orders the medicaments concerned from the German house after having received a communication from the Director of the Dutch Government Stores that there is no objection against these medicaments being con-

signed to the Stores. The quantity of medicaments that is ordered may not exceed the quantity that is ordinarily required for three months at the most. The following medicaments can be obtained from Germany in this way: Aspirin, formaldehyde, paraformaldehyde, iodine (crude and refined), sodium iodide, iodoform, antipyrin, salipyrin, pyramidon, phenacetin, mercury and mercurials, salicylic acid, senega-root, tartaric acid, citric acid, all surgical and medical instruments, articles used in bacteriology, material for bacteriological cultures, such as agar-agar, litmus, etc.; vaccines, and all kinds of serums. Up to date the German Government has regularly granted permission for exportation of prohibited medicaments if the application was made by the "Rijks Magazijn." The Government Stores has now made an agreement with the German Government that it will not apply for a revocation of the prohibition of the exportation of the following medicaments which are made in Holland itself or of which the stocks in Germany are only sufficient to meet the requirements of Germany: Acetanilide, quinine, quinine salts and quinine compounds, cinchona-bark, coca-leaves and cocaine, cresol, cresol-soap solutions, such as lysol, etc., tæstic and preparations (mastisol, etc.), vascline, rhubarb-root, aloes, ipecacuanha-root, carboic acid, codeine, morphine and its salts, opium and opium-preparations, Peru balsam, castor oil, simaruba-bark, surgical dressings, rubber, and animals for physiological experiments.

Russian News.

CHEMICAL-WORKS in Russia belonging to Germans, and which are situated in invaded territory, are reported to have been rendered useless. The Russians removed all copper plant, much to the discomfiture of the German owners, who are telling their woes to the shareholders in Germany.

CHEMICAL-INDUSTRY.—An encouraging report by Pochitonen on the steps that are being taken to establish the manufacture of fine chemicals in Russia is to hand. It is acknowledged that prior to the outbreak of the war chemical-industry was neglected. The raw materials for the manufacture of quicksilver, iodine, bromine, and bismuth preparations exist in the country, but were not worked, neither were medicinal plants cultivated. Ten years ago efforts were made to manufacture chloroform and salicylic acid in Russia, but failed because foreign manufactories temporarily lowered the prices of these products below the cost of manufacture. The high import-duties on cinchona-bark made it impossible to manufacture quinine in Russia to compete with foreign manufactories. Since the outbreak of war, however, the outlook has changed, and Russian pharmaceutical and chemical industry has at last a chance of succeeding. Chloroform manufactories have been founded in Petrograd, in Kiev, and in the Government Perm; a manufactory of carboic acid has been started in Moscow; sodium, salicylate, caffeine, aspirin, and hydrogen peroxide are also being made in Kiev. The largest pharmacy in the world, that of Ferrein in Moscow, has taken to the manufacture of aspirin, pyramidon, and salol. Schering's factory in Mohilew furnishes formalin, hydrogen, peroxide, acetone, chloroform, and methyl alcohol. Quicksilver ores are mined in Nikitowka, and from these corrosive sublimate is being made in the neighbourhood of Moscow. In Jekaterinoslav experiments are being made in the manufacture of iodine out of the phylloform that grows in the Black Sea. Peppermint oil is distilled from plants cultivated in the Poltawa district, and other medicinal plants are now being cultivated with success in several parts of Russia. Some existing manufactories have begun to make arsenobenzol, tannalbin, and similar medicinal products. A manufactory of artificial musk and other perfumes has also been founded. Though Russia disposes of considerable quantities of raw material for the manufacture of dyestuffs, the larger part of the dyes that Russia required was imported from Germany, though Russia has enormous stocks of coal-tar. The principal consumer of dyestuffs, the Moscow textile-industry, has now decided to found a factory of dyes and chemicals. The scarcity of sulphuric acid in Russia has not allowed use to be made of the Russian phosphate deposits in the districts of Kostroma, Wolhynien, and Perm, but now a superphosphate manufactory has been founded in Perm with an annual output of 1,200,000 poods of superphosphates. According to recent geological researches the Elton Sea contains enormous quantities of potassium salts, and will in future replace that imported from Germany. Sulphur for making sulphuric acid is to be recovered from the gases of pyrites and zinc sulphide works.

German News.

PETROLEUM-TICKETS are now being issued with a view to economising the supply of paraffin.

MEDICAL-BOOKS and newspapers likely to be of use to the Allies are not to be exported from Germany in future, states the "Pharm. Zeitung."

WHITE-LEAD.—According to a decree of the Imperial Chancellor it is prohibited to make use of paints that contain white-lead or linseed oil for house-painting.

FAT FROM YEAST.—Lindner is at present engaged in cultivating a yeast which contains a larger proportion of fat than usual. It is hoped to be able to use this as food.

GLYCERIN SUBSTITUTE.—As an illustration of the straits to which Germany is driven by the scarcity of glycerin it is interesting to read that Unna recommends in place of glycerin for external medicinal use syrup and calcium-chloride solution. The last-named is a 1-in-3 solution.

THE SEMI-JUBILEE of the Deutsche Pharmazeutische Gesellschaft was celebrated in Berlin on November 6. Professor Dr. H. A. Thoms (President of the Society since its foundation) and Professor Dr. R. Willstätter, of the Institute for Chemistry, Berlin-Dahlem, were the orators on the occasion.

SICK-FUND DISPENSING.—With the object of decreasing the cost of drugs used by the German sick-funds, it has been decided to establish a department having for its object to check doctors' prescribing and pharmacists' dispensing. Extravagance in prescribing is to be detected by comparing the cost of drugs ordered by various doctors.

DR. LUDWIG MEDICUS, professor of applied chemistry and pharmacy in Würzburg, died recently at the age of sixty-eight. He was a teacher of pharmacy, although he was not a pharmacist himself. He founded a pharmaceutical society in Würzburg, and wrote an "Einleitung in die Chemische Analyse" and "Praktikum für Pharmazeuten," which were generally used by pharmaceutical students and pharmacists.

FAT FAMINE.—The populace is being instructed to use marmalade and honey on bread in place of butter, but the price of these articles is too dear for the poor. To overcome this difficulty the use of artificial honey made of glucose is recommended—it has a nutritive value equal to that of natural honey, states the War Food Committee. —Oil of grape-seeds is now being made in Germany for use in place of olive oil.

"ALPACA" is a trade-name used by Merz & Co., Frankfurt, for a series of packed drugs for supplying to sick-clubs without the intervention of the retail pharmacist. The series includes eighteen different ointments for treating skin-diseases. Merz & Co. contend that by the use of these packed drugs the sick-clubs will be able to effect considerable saving. On the other hand, pharmacists utterly condemn the system, which will eliminate them from the supply of medicine to sick-clubs.

FOOD PROBLEMS.—The Munich physicians have issued a manifesto urging upon the people to exercise economy in foodstuffs. It is stated that most Germans eat too much meat, and that it will be better to reduce the quantity of food to that strictly necessary for the maintenance of health.—A new kind of war bread is now being made containing yeast. It is designated "N. Brot."—The use of milk for industrial processes is now forbidden in Prussia, and it may not be used in making milk-chocolate or for making bread.

GERMAN PROFESSORS IN TURKEY.—With regard to the rumours of the nomination of German professors in the University of Constantinople, the German Turkish Union intimates that the Turkish Department of Instruction intends to appoint several (fourteen) German professors for certain subjects, including botany and zoology, inorganic chemistry, organic chemistry, and technical chemistry. Among the German professors who have declared themselves willing to accept nomination for these positions are Dr. Leick, Greifswald (botany); Dr. Hoesch, Charlottenburg (organic chemistry); and Dr. Fester, Frankfurt (chemistry).

THE WEARING OF SPECTACLES BY SOLDIERS.—This subject has been investigated by Weigelen, an ophthalmologist, of Stuttgart, who was ordered to find how many men of a division of 11,000 troops were dependent on glasses, and how many had a reserve pair on hand. Only a few of the 386 spectacle-wearers had a reserve pair; 381 (or 3.7 per cent.) were actually dependent on their glasses. Estimating the number in a whole army corps at this ratio would give 1,750 spectacle-wearers. Among the 386 examined, 214 were myopic, 74 hyperopic, 12 had presbyopia, 8 with astigmatism, and 5 had defects it was impossible to correct by means of glasses.

Trade-Marks.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with the Registrar of Trade-Marks, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C. The prescribed time is one month from the date of the Journal in which the application has appeared; but the period may be enlarged by the Registrar, if he thinks fit, and upon such terms as he may direct. Formal opposition should not be lodged until after notice has been given by letter to the applicant for registration, so as to afford him an opportunity of withdrawing his mark before the expense of preparing the notice of opposition is incurred. Failing such notice to the applicant, an opponent may not obtain an order for costs.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

(From the "Trade-marks Journal," November 3, 1915.)

"TUNDOCAIN"; for a local anæsthetic (3). By A. Wilson, 53 Bothwell Street, Glasgow. 369,155. (Associated.)

"REGEPHOS"; for medicinal chemicals (3) and for perfumery, etc. (48). By Regesan, Ltd., Nottingham, 369,298/9. (Associated.)

"AMBERSAN"; for medicated bandages (3). By A. W. Down, 21 and 23 St. Thomas's Street, S.E. 369,380.

"ZON-VAC"; for a metal vacuum bottle (13). By C. Boyton & Son, 2, 18 and 19 Upper Charles Street, Clerkenwell, E.C. 369,305.

"PRIMA DONNA"; for goods (42). By Sverre Ellingsen, Kalfarli 9B, Bergen. 366,975.

"FLUEG"; for all goods (42). By Cohen & van der Laan, 22 North Albion Street, Glasgow. 369,158.

"EVSIZOL"; for toilet-preparations (48). By Walter Cooke, 5 Chapel Street, Exmouth. 369,572.

(From the "Trade-marks Journal," November 10, 1915.)

Triangular device including word "ROYOAK" and picture of oak tree, for all goods (1 and 17). By Dixon's White, Ltd., Albion Wharf, Old Ford Road, Bow, E. 367,284/5. (Associated.)

"MENDINE," with picture of bulldog standing on tube of same; for liquid glue (1). By F. W. Coombe, Clarence House, Arthur Street West, London, E.C. 369,160. (Associated.)

"ASOPHOSE"; for substitute for cream of tartar and tartaric acid (1). By Bryce Roberts & Co., 43-45 Great Tower Street, E.C. 369,498.

"ZAM-BUK" and "ZAM-BUK, 'RUB IT IN,'" on circular label; for all goods (2). By C. E. Fulford, Ltd., 58 Carlton Cross Street, Carlton Hill, Leeds. 369,181/213. (Associated.)

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Sunday, November 14.

Pharmacists' Volunteer Training Corps, 130 Horseferry Road, Westminster, S.W., at 10 A.M. Drill 11.30. Lecture at 17 Bloomsbury Square, W.C.

Tuesday, November 16.

North London Pharmacists' Association, Enfield meeting. Association of Women Pharmacists, Gordon Hall, Gordon Square, London, W.C., at 7.30 P.M. Miss H. A. Martin on "The Brain and its Business."

Wednesday, November 17.

Newcastle-upon-Tyne Pharmacists' Association, Church Institute, Hood Street, at 5.30 P.M. Mr. W. J. Uglov Woolcock will deliver an address.

Pharmacists' Volunteer Training Corps, 17 Bloomsbury Square, London, W.C., at 3 P.M. Lecture on "Sanitation." [Repeated on Thursday.]

Thursday, November 18.

The Chemical Society, Burlington House, Piccadilly, London, W. Ordinary scientific meeting at 8.30 P.M. Dr. E. J. Russell on "The Principles of Crop Production."

Western Pharmacists' Association, Frascati's Restaurant, Oxford Street, London, W., at 3 P.M. Mr. P. F. Rowsell, J.P., will open a discussion on "Price Protection."

Chemists' Assistants' Association, 17 Bloomsbury Square, London, W.C., at 9 P.M. Whist-drive.

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These products are made by the Ammonia Process, and are distinguished from others by their great purity.

Bicarbonate of Soda.

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali. 58 Degrees.

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

Bleaching Powder.

Carbonate of Ammonia

(Lump and Powder).

Retailers can obtain these products through any Wholesale house by specifying Brunner Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

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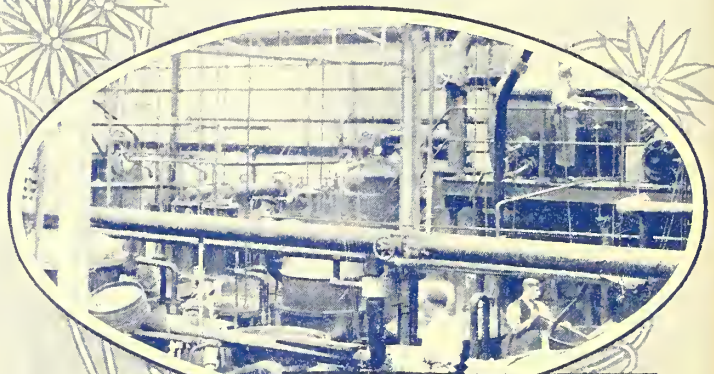
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The Offices—a general view.

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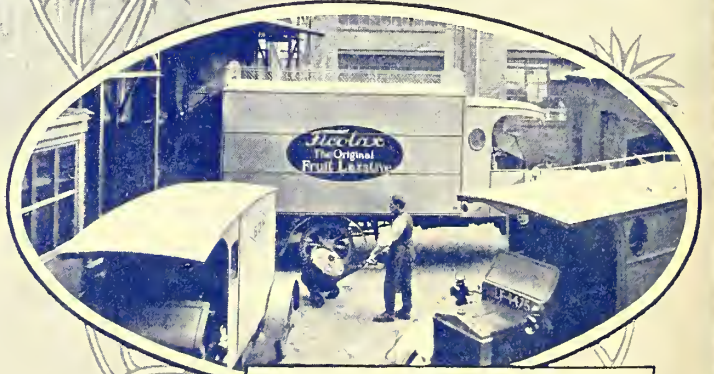
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